



# **BLOOMBERG ANYWHERE**

## **FOR BLACKBERRY SMARTPHONES**

### **OS 4.6 – 7.1**

BLACKBERRY ENTERPRISE SERVER ADMINISTRATOR'S GUIDE

V1.0

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**BLOOMBERG ANYWHERE** for BlackBerry is a tailored solution for Bloomberg Anywhere subscribers. It allows our customers to stay abreast of their financial data from anywhere in the world. It provides access to many popular functions including MSG, IB, MARKETS, MONITORS, PEOPLE, and several others. Bloomberg Anywhere for BlackBerry is but one of a family of Bloomberg Anywhere Mobile products that includes Bloomberg for iPhone, Android and iPad.

Bloomberg for BlackBerry is a service included as part of the Bloomberg Anywhere subscription. Updates to the Bloomberg Anywhere for BlackBerry application are released monthly. This enables us to provide new features to our users and ensures that bug fixes and infrastructure changes are rolled out in a timely fashion. It also allows us to react quickly to customer feedback to ensure the best experience possible.

## Scope

In compiling this documentation, our team has made every effort to ensure that the information contained within is accurate at the time of publication.

**Please note: This document is not intended for use as a basis for making changes to your BlackBerry implementation. For business and infrastructure planning decisions, please refer to documentation or support provided by BlackBerry.**

The features mentioned in this document are available in the May 2013 version of Bloomberg Anywhere for BlackBerry. Although the product is mature, changes to features and user interface may occur in the future. Those new features may not immediately be reflected in this document.

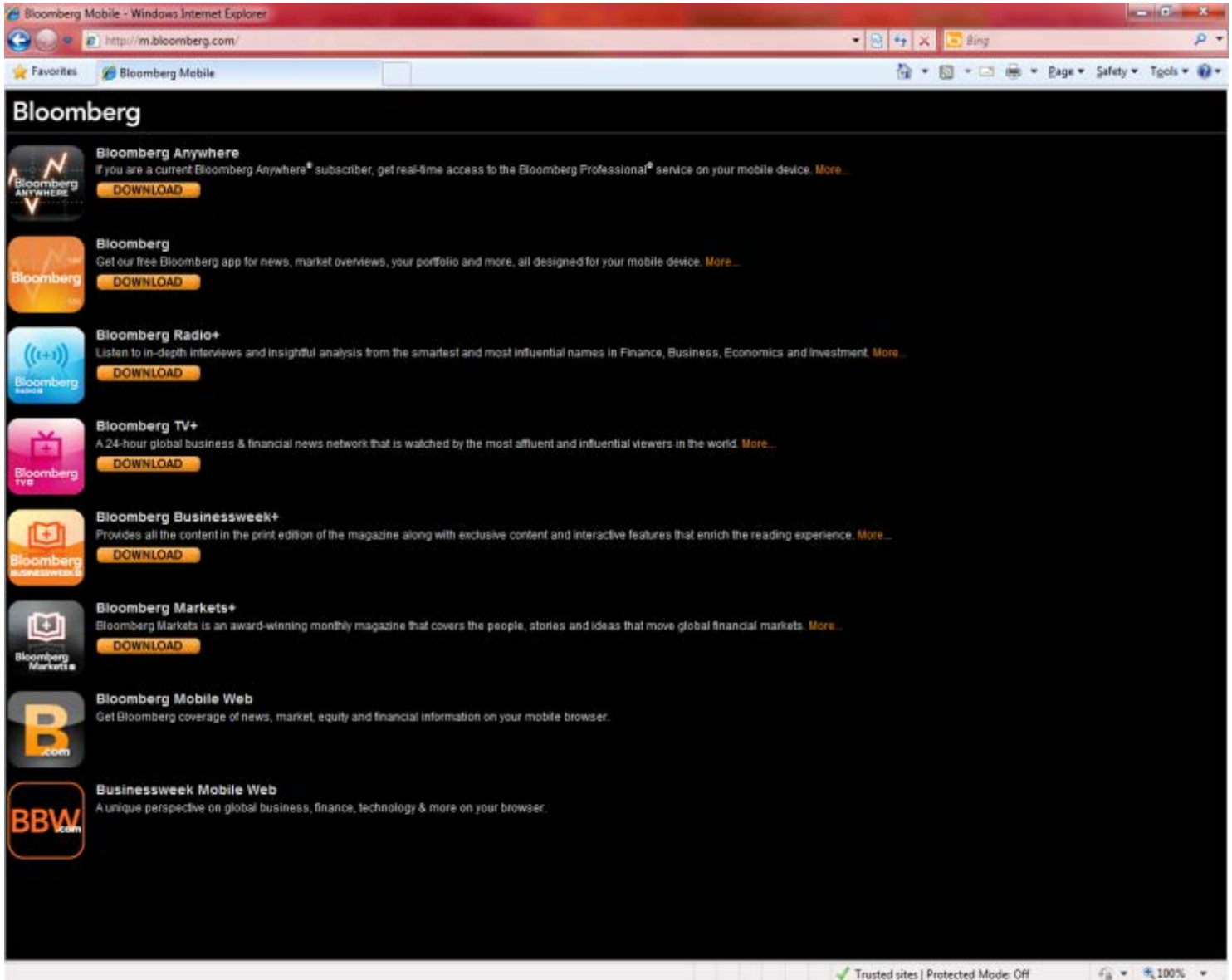
For the latest information about Bloomberg Anywhere for BlackBerry, please contact Bloomberg Mobile Support at [mobisupport@bloomberg.net](mailto:mobisupport@bloomberg.net) . This email is not monitored 24x7.



## Bloomberg Mobile Websites and Related Functions

<https://m.bloomberg.com> / <https://m.blpprofessional.com>

These are the software distribution websites, designed for viewing from mobile devices. They have a comprehensive list of Bloomberg Mobile Applications available for all the platforms. The sites were designed to provide customers easy access to Bloomberg's mobile applications.



<http://www.bloomberg.com/mobile>

BLOOMBERG ANYWHERE users have access to their information on a variety of mobile platforms including BlackBerry, iPhone, iPad and Android based devices. This site showcases the same suite of apps.

[Our Company](#) | [Professional](#) | [Anywhere](#)

[HOME](#) | [QUICK](#) | [NEWS](#) | [OPINION](#) | [MARKET DATA](#) | [PERSONAL FINANCE](#) | [TECH](#) | [POLITICS](#) | [SUSTAINABILITY](#) | [TV](#) | [VIDEO](#) | [RADIO](#)

## Bloomberg Mobile & Apps

The latest business news and data, no matter where you are.

Access the Bloomberg mobile website:  
[mobile.bloomberg.com](http://mobile.bloomberg.com)

<h3>Bloomberg</h3> <p>Available On:</p> <p><a href="#">iPhone</a>   <a href="#">Blackberry</a>   <a href="#">Android</a>   <a href="#">Nokia</a></p> <p><a href="#">iPad</a>   <a href="#">Android Tablet</a></p> <p><a href="#">Learn More &gt;&gt;</a></p>	<h3>Bloomberg Radio+</h3> <p>Available On:</p> <p><a href="#">iPhone</a>   <a href="#">Android</a></p> <p><a href="#">Learn More &gt;&gt;</a></p>	<h3>Bloomberg TV+</h3> <p>Available On:</p> <p><a href="#">iPad</a></p> <p><a href="#">Learn More &gt;&gt;</a></p>	<h3>Bloomberg Businessweek+</h3> <p>Available On:</p> <p><a href="#">iPhone</a></p> <p><a href="#">iPad</a></p> <p><a href="#">Learn More &gt;&gt;</a></p>	<h3>Bloomberg Markets+</h3> <p>Available On:</p> <p><a href="#">iPad</a></p> <p><a href="#">Learn More &gt;&gt;</a></p>
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### Bloomberg Anywhere

For BLOOMBERG PROFESSIONAL® Service Subscribers

[Learn More >>](#)

Available On:

[iPhone](#) | [iPad](#) | [Blackberry](#) | [Android](#)



<http://www.bloomberg.com/professional/tools-analytics/mobile/>

This website explains our Mobile offerings from a Business and Analytics standpoint.

**Bloomberg**

MARKETS SOLUTIONS **TOOLS & ANALYTICS** NEWS & RESEARCH SYSTEMS & SUPPORT

CHARTS COLLABORATION CUSTOM DESKTOP **MOBILE** OFFICE TOOLS PORTFOLIO & RISK ANALYTICS EXECUTION

## MOBILE

Whether at home, in meetings, or on the road, you will find it easy to access the full power of your Bloomberg Professional service subscription.

**CONTACT OUR SALES TEAM TO ARRANGE A DEMO >>**

With Bloomberg Anywhere®, you can log in to your Bloomberg Professional service account from an Internet-ready PC or mobile device, with the same reference-quality, real-time data, security and access to personal files you have on your regular computer.

If you only have an Internet browser available, visit [Bloomberg.com](http://Bloomberg.com) and click Anywhere to access your account; a browser plug-in is required for use.

### MOBILE DEVICES

Bloomberg Anywhere applications for BlackBerry, iPhone, iPad and Android devices allow you to send and receive messages, view customized price and news alerts and access all your Bloomberg Launchpad. You can also monitor events and markets, view charts and research securities and legal documents. The applications include your Bloomberg messages and [Instant Bloomberg](#) so you can stay connected while mobile, and quickly access [Customer](#)

Trusted sites | Protected Mode: Off





This is the mobile edition of [www.bloomberg.com](http://www.bloomberg.com). This website has been optimized completely for viewing via mobile browsers.



A screenshot of the Bloomberg mobile application. At the top, the status bar shows various icons including a mail icon, a battery level indicator, and signal strength. Below the status bar, the app header reads "Bloomberg - Business &..." with a dropdown arrow. A search bar contains the text "More market data ..." and a magnifying glass icon. Below the search bar, a section titled "SLIDESHOWS" features three image thumbnails: a man in a suit, a building with "RBS" signage, and another man in a suit. A blue arrow icon is positioned to the right of the thumbnails. At the bottom, there are two buttons: "MY QUEUE" and "SUGGESTED".






## MOBI<Go> - Self-Overrides and Ending Mobile Sessions

MOBI<Go> provides information on Bloomberg mobile products and services, which allow you to access the BLOOMBERG PROFESSIONAL® service from your mobile devices.

To access information on Bloomberg mobile products and services, click one of the expandable panels on the left side of the screen and then click a link for a mobile platform. For more information the functions that appear, see the corresponding <HELP> page.

Customers can also give themselves temporary token overrides for logging into the BlackBerry application.

Bloomberg Mobile



Take the power of the Bloomberg Professional Service wherever you go with mobile access to Bloomberg's communication network, news, commentary, market data tools, and much more.

Mobile Apps for Bloomberg Anywhere users


- 1) Bloomberg on BlackBerry
- 2) Bloomberg on iPhone
- 3) Bloomberg on iPad
- 4) Bloomberg on Android

Manage Mobile Devices

- 5) My Devices

For More Information

- 6) Bloomberg Anywhere
- 7) Frequently Asked Questions
- 8) Contact Bloomberg



Australia 61 2 9777 8600	Brazil 5511 3048 4500	Europe 44 20 7330 7500	Germany 49 69 9204 1210	Hong Kong 852 2977 6000
Japan 81 3 3201 8900	Singapore 65 6212 1000	U.S. 1 212 318 2000	Copyright 2012 Bloomberg Finance L.P.	
				SN 232500 G688-756-1 07-Oct-12 14:34:15 IST GMT+5:30

Click on option 5) *My Devices*.



The My Mobile Devices screen lists all the mobile devices you are currently logged into.

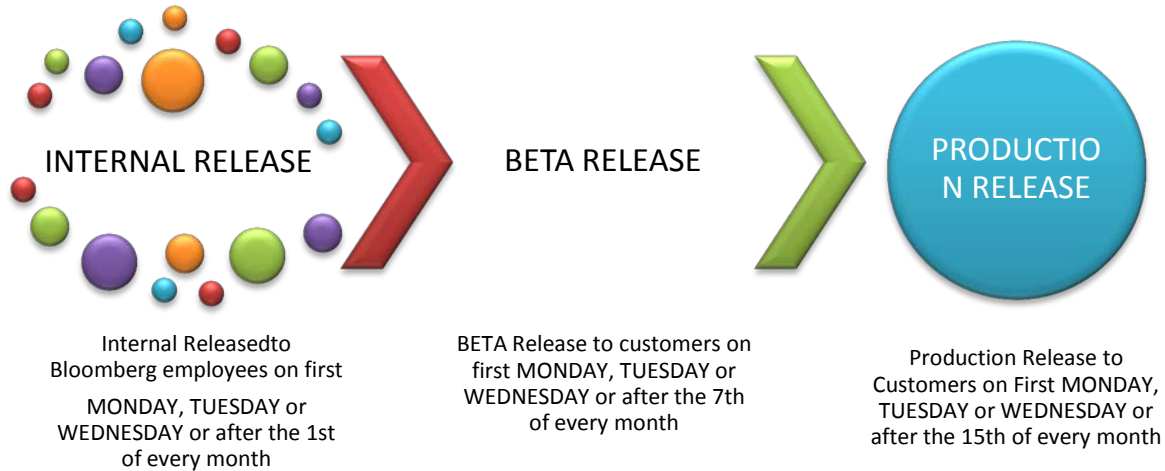
On this screen you can:

- *End Session*: Ends the session on this device, causing it to prompt for biometric authentication the next time it is used.
- *Create B-Unit Token*: This will let the user create a new temporary token to login to a mobile device, in place of the one generated by their B-Unit.



## Software Release Schedule

To meet the needs of our customers and continually improve the application, the Bloomberg Anywhere application for BlackBerry is released on a monthly schedule (similar to our desktop terminal software release schedule). The release schedule is as follows:



### INTERNAL RELEASE MONDAY, TUESDAY or WEDNESDAY or after the 1<sup>st</sup> of Every Month

Application is released to all internal Bloomberg employees. The application will undergo another eight days of thorough testing from a large user base before being deployed. Again, if a critical issue is discovered, at our discretion a new version addressing the problem will be deployed to the internal and beta groups.

### BETA RELEASE MONDAY, TUESDAY or WEDNESDAY or after the 7<sup>th</sup> of Every Month

Application is released to users that participate in our limited beta group. This allows participating IT departments the opportunity to evaluate the software and update any internal release procedures to accommodate the new release. The beta release is regarded as a 'ready for production' version of the app that we intend deploy. However, we utilize this time to evaluate how the already tested application behaves when used in a much larger environment. If a critical issue is discovered, at our discretion we will deploy an updated version addressing the issue to our beta group. This will be communicated to all beta users as soon as the updated release is ready.

The BETA release version is posted on <https://m.bloomberg.com> and available to all Bloomberg Anywhere for BlackBerry users.

### PRODUCTION RELEASE MONDAY, TUESDAY or WEDNESDAY or after the 15<sup>th</sup> of Every Month

Provided that all goes well during the testing cycle, the final release version is posted on <https://m.bloomberg.com> and available to all Bloomberg Anywhere for BlackBerry users. After successfully entering user credentials at the login screen, the app will check to see if a newer version of Bloomberg Anywhere is available and offer the customer the option of updating the app. (This is assuming there are no I.T. policies preventing the automatic software update from running.)



# Software Expiration Policy

In order to provide exemplary service, we require that the Bloomberg Anywhere for BlackBerry software is updated on a regular basis. Bloomberg provides support for 3 prior versions of Bloomberg Anywhere for BlackBerry at any moment in time. Additionally, we allow a grace period of an additional month, after which the software will expire and users will be unable to access the Bloomberg Anywhere services from that release of the software.

Using an example scenario where the current month is December, customers are permitted to log in using these versions:



This policy ensures that our customers have a version that contains all of the latest enhancements and fixes. This policy is similar to the Bloomberg Terminal software.

As previously mentioned, Bloomberg Anywhere for BlackBerry software is released each month to all users. The expiration of obsolete versions is done after the last day of each month. (Using the above example, August software expires on December 1st at 12AM). Each month when new software is available (typically the 15th of the month), when the customer attempts to login, they will receive a notification that new software is available.



At this point, the customer has the option of clicking 'Update Now', selecting 'Update Overnight' (the software will attempt to apply the update between 3-4 AM during the device's local time zone) or clicking the 'Back' button on the keypad will suppress the update. The update will be suppressed for 24 hours and then once again prompt the user to update the device.



These prompts can be suppressed by a BlackBerry Administrator using custom I.T. policies (see section ‘Bloomberg Custom I.T. Policy Settings’). However, please be mindful that the above expiration rules still apply and the software will still expire according to the above schedule. Ten (10) days before the software expires, the customer will receive a prompt upon logging in. This prompt cannot be suppressed by any Custom IT Policy rule. Logging into a device with expired software will present you with the following message:



It will present you with an option to update the software. If you skip it you will be taken to the main screen with a limited list of options:

- The ‘HELP’ option to contact Bloomberg Support.
- The ‘UPGRADE’ option to upgrade the application.
- The ‘LOGOUT’ option to log out from the application.

(Note that software more than a year old may be unable to connect and these options may not be available.)



If the updater is disabled, the upgrade option may be disabled and a message will be displayed asking the user to contact their in-house IT support.



# Upgrade Process

## For Expired software

Using the 'UPGRADE' option, the app will search for an available upgrade.

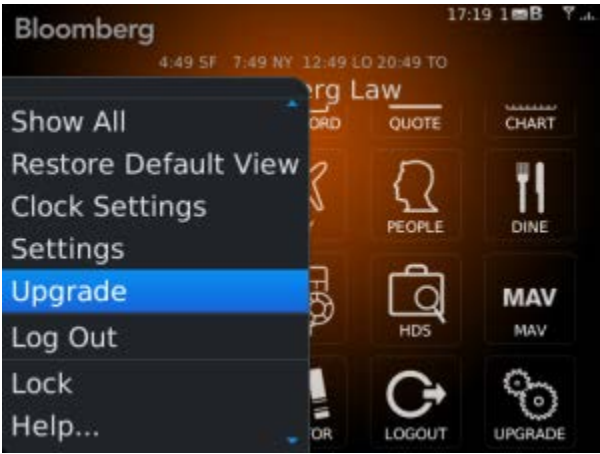


## For software that is still active but old

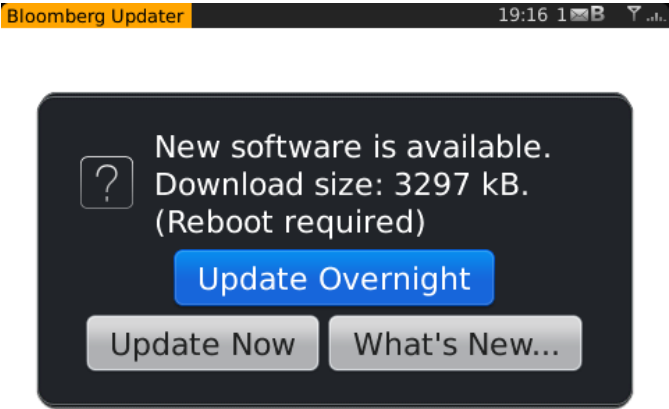
Scrolling down and then selecting “Upgrade” will search for new software on the device and offer the option to upgrade.



Also, you can press the Menu button on the device and then select “*Upgrade*” from the content menu. It will search for new software and offer the option to upgrade.



The upgrade process for both the scenarios is the same from here on. After appropriate detection, it will present a pop up will inform of the size of the upgrade package.



Click on “*Update Overnight*” or “*Update Now*” as per your preference.

**NOTE:** we would recommend to use *Update Now*.

After the upgrade, please reseal the battery. It might take 10-15 minutes for the device to finish restarting.

When it has completed, we would recommend checking again if any further upgrade is available. Simply follow the same procedure, open the application, press the Menu button and select *Upgrade* from the list.

If no further upgrades are available, the application is now up to date.





## Software Availability

Devices running BlackBerry OS 4.6 or later are compatible with the Bloomberg Anywhere application. All versions of Bloomberg mobile applications, including Bloomberg Anywhere for BlackBerry, can be found on our mobile application website: <https://m.bloomberg.com>

There are three ways of getting the Bloomberg application on your device:

1. Install over-the-air from the web.
2. Install from the Desktop Manager.
3. Install from the BlackBerry Enterprise Server.



## Bloomberg for Blackberry - Installation

### Install Over-the-Air from the Web

1. Navigate to the main screen of the device.

Open the browser and navigate to <https://m.bloomberg.com/>.

Upon entering the site, it will present you with two choices of software to install.

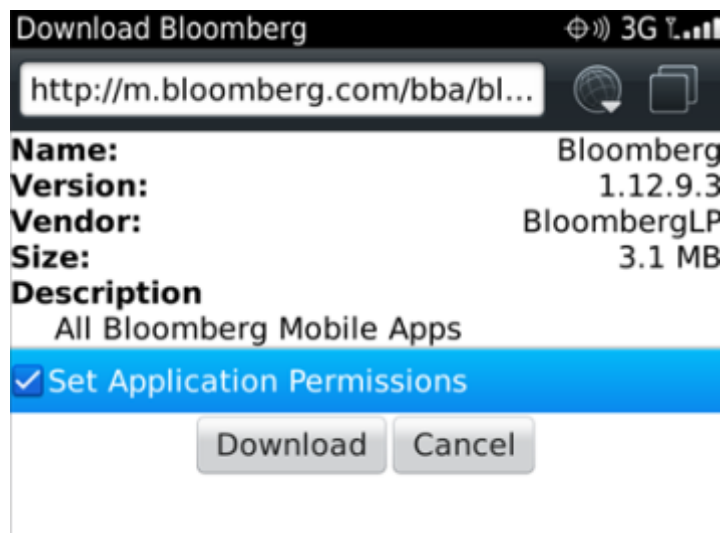
- The black icon is intended for Bloomberg Anywhere subscribers. The Bloomberg Anywhere application provides full customization and is available only to Bloomberg Anywhere customers.
- The orange icon is called the Bloomberg application. It is intended for all other consumers who want to get access to news and market information equivalent to that obtained from the Bloomberg.com web site.



2. Automatic detection of the OS version is done before the download link is displayed. It will automatically detect the version of the BlackBerry Operating System on the device and display the current version of Bloomberg designed for it. Then further click on Install/Upgrade Bloomberg in orange.



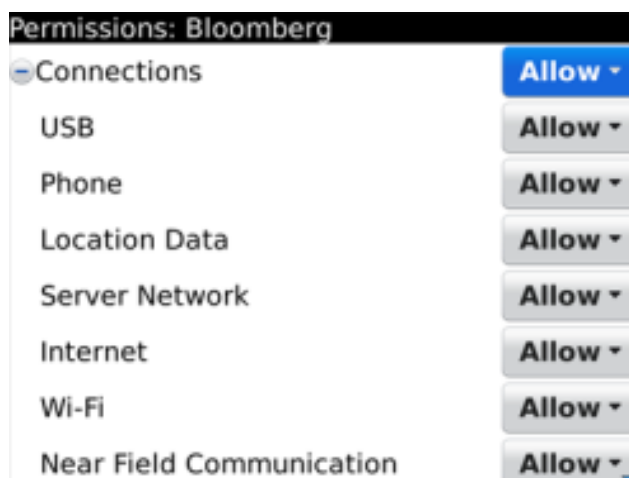
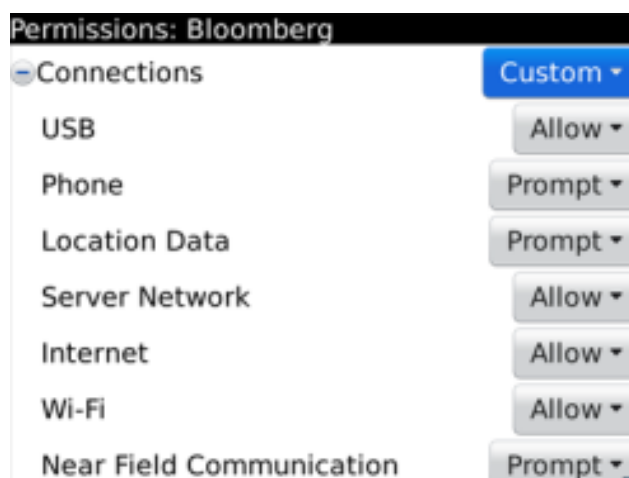
3. On the next screen, check the box for “Set Application Permissions” and click “Download”.



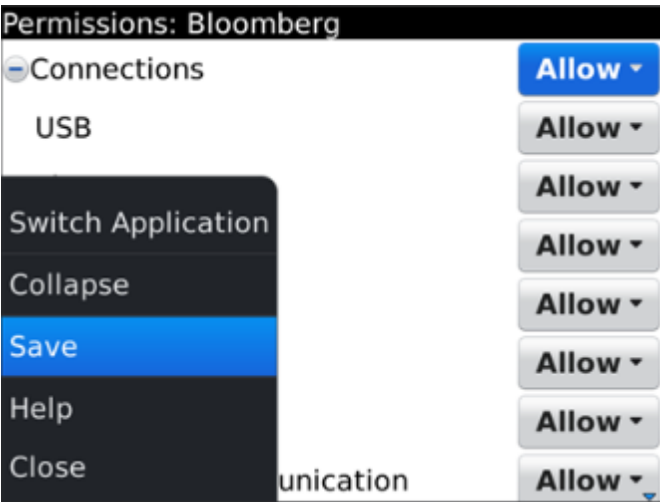
4. All the application permission should be moved from Custom to Allow. Setting each of these options to “Allow” will ensure that customers do not receive repeated prompts from the BlackBerry’s Firewall asking if they want to grant access to the Bloomberg application.

There are three main sections for permissions: Connections, Interactions, and User Data. Changing the setting to “Allow” for the main section will change the entire section to “Allow”.

**NOTE:** depending on the access and permissions assigned to the device from the I.T. Administrator, you may not be able to set all three main sections.

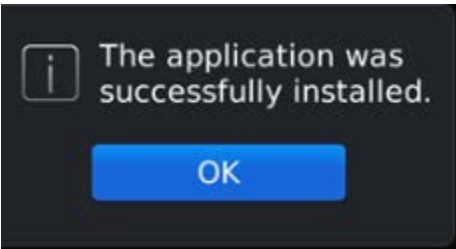


5. After changing each section to “Allow”, click the Back button on the device and choose Save. The download will now begin.



6. The download should take anywhere from ~30 seconds on a fast Wi-Fi / 3G connection to several minutes on a lower bandwidth 2G connection.

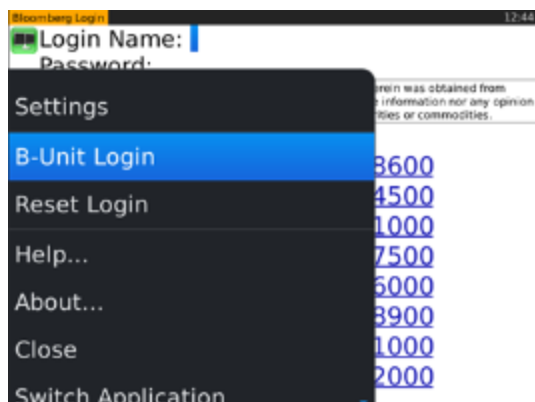
7. Once the installation completes, a message will indicate that the installation was successful. Click OK”.



8. On most BlackBerry devices, the application will download into the “Downloads” folder. (This is a standard folder in the BlackBerry OS). From here it can be moved to the Home folder or wherever the user desires. On newer BlackBerry devices running OS 6.0 or higher, applications may download directly to the main BlackBerry screen.

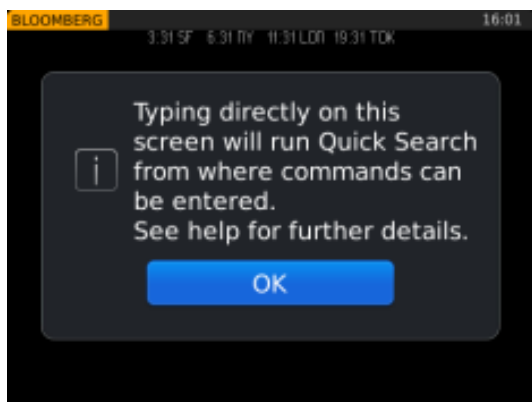


9. Open the application to login. Click on the MENU button and choose the *B-Unit Login* option.



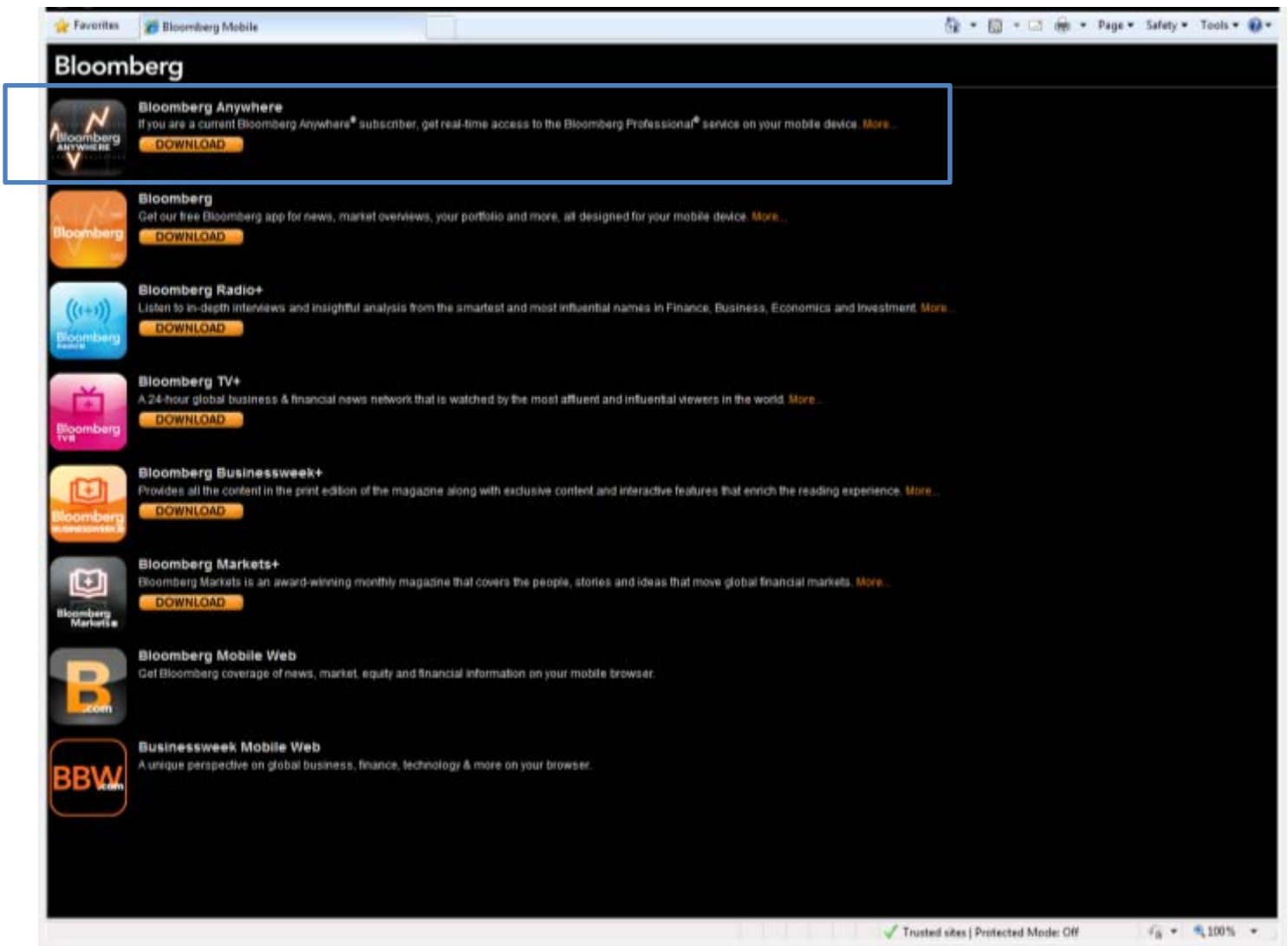
10. Type in your username, password and B-Unit Token Code. For logging in using the B-UNIT, hold down the B-Unit power button until it shows Token mode on the little screen and follow the instructions.

11. You will be logged in and presented with the below screen. You can proceed with using the application.



## Install from the Blackberry Desktop Manager

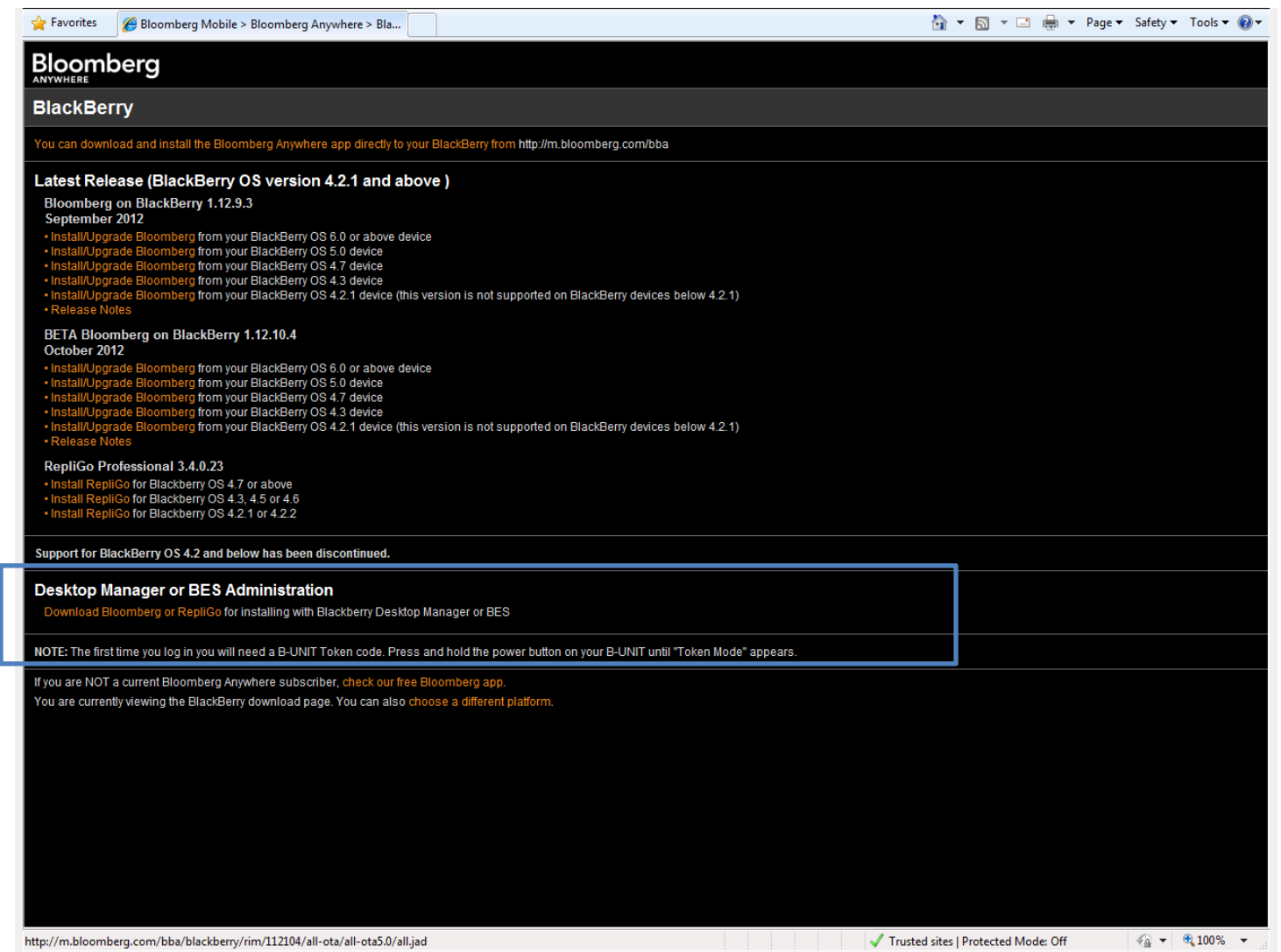
1. Navigate to <https://m.bloomberg.com> first and click on the Download button for the Bloomberg Anywhere app.



2. Click on *BlackBerry*.

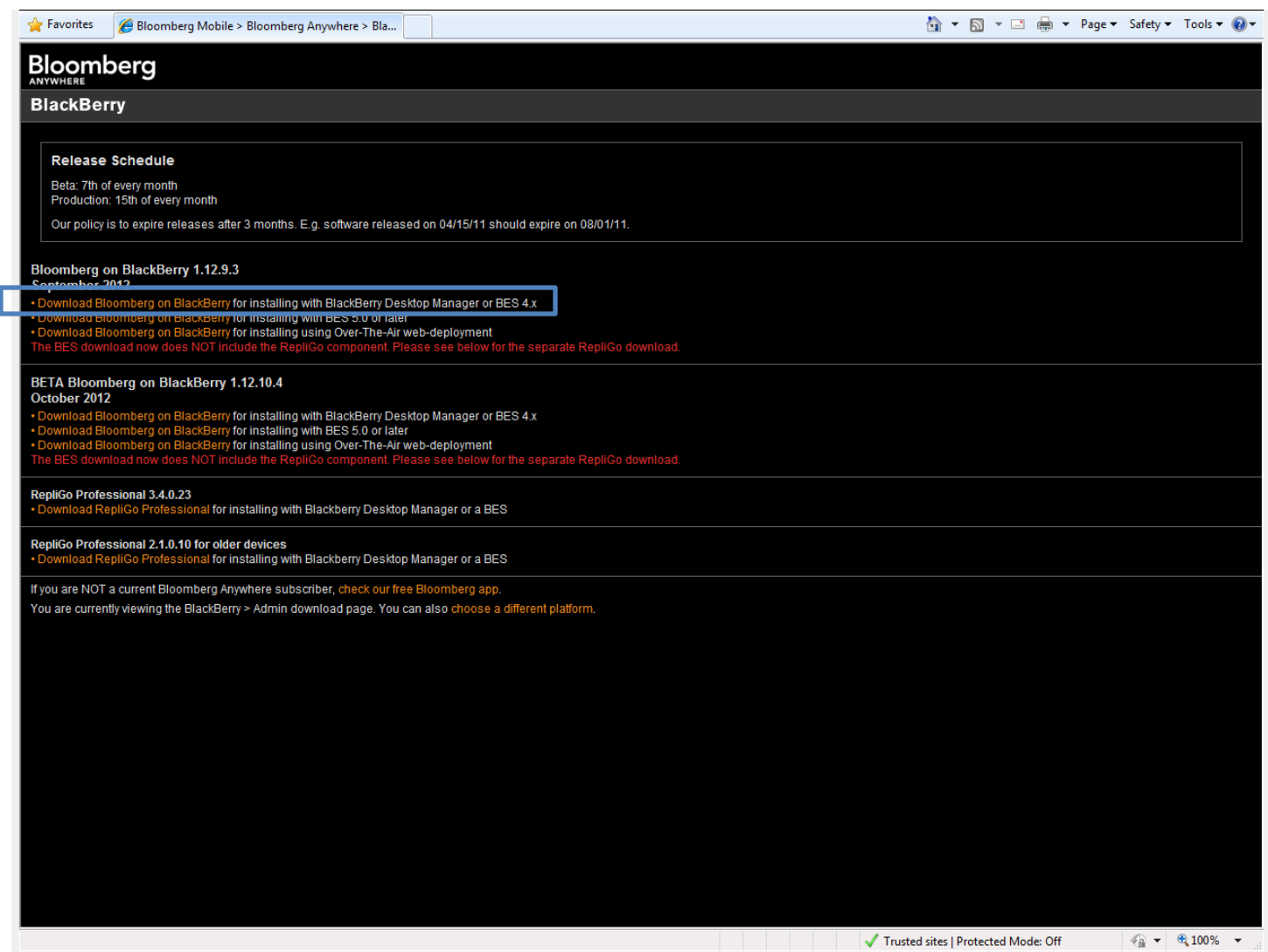


3. Click on *Download Bloomberg* for installing with BlackBerry Desktop Manager.

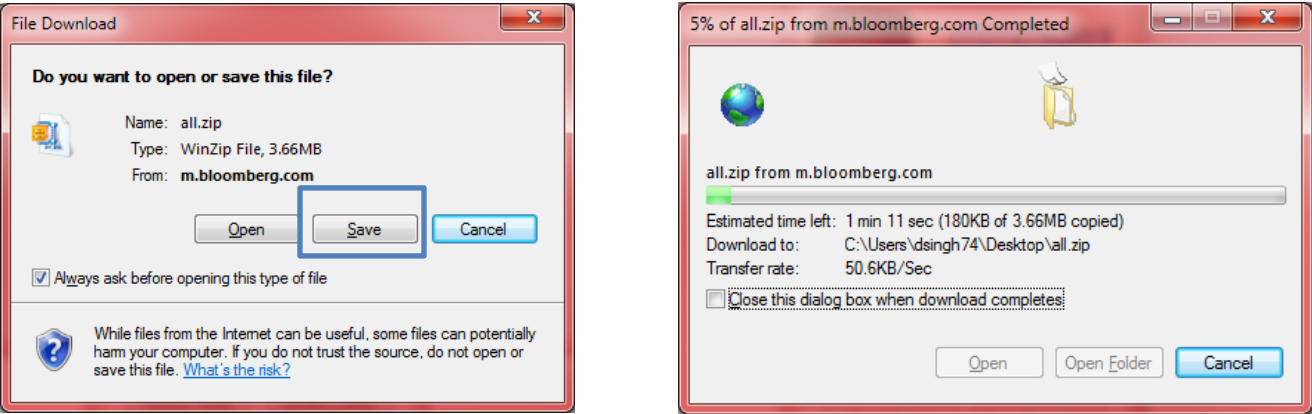




4. On the next page, click on *Download Bloomberg on BlackBerry* for installing with BlackBerry Desktop Manager or BES 4.x”.

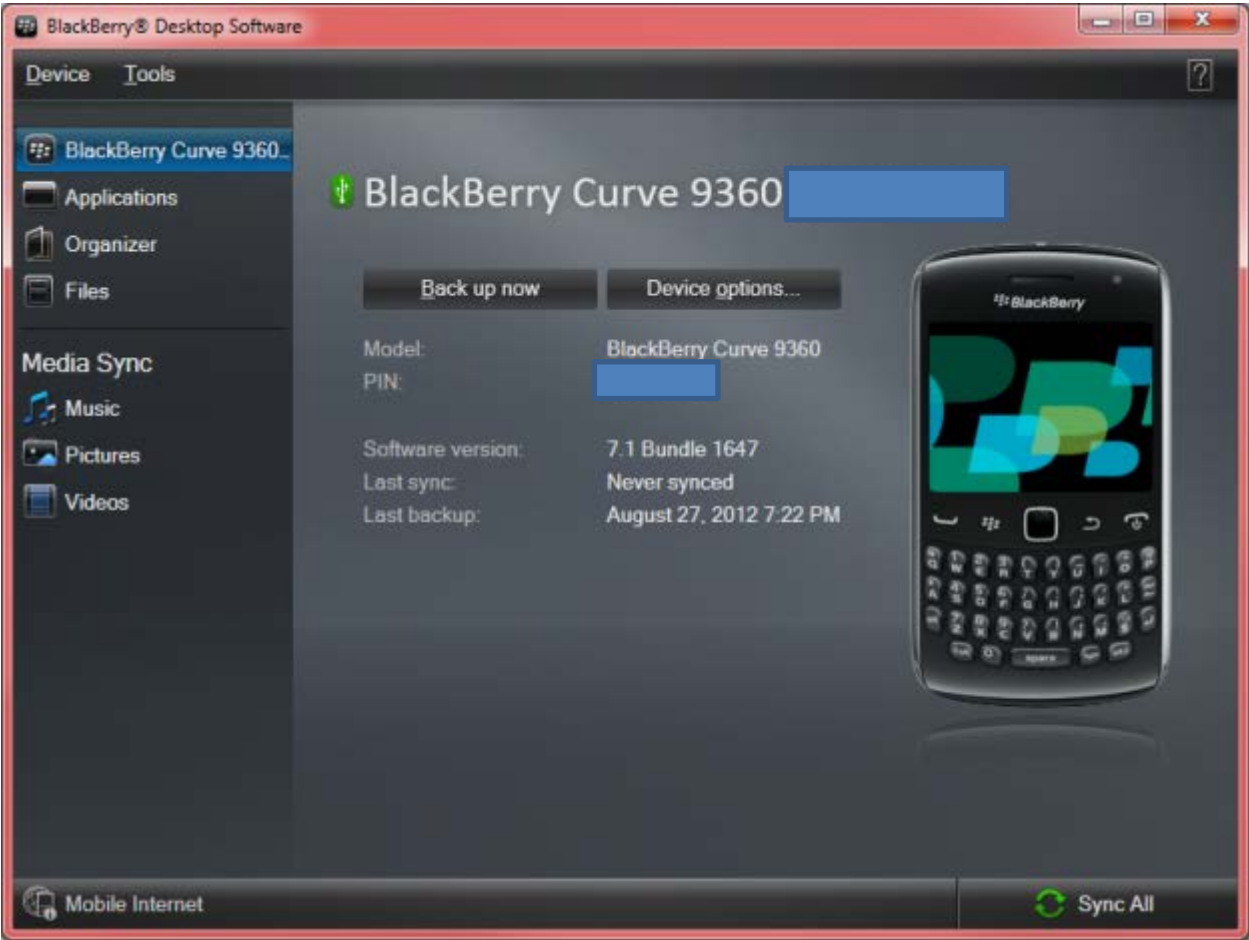


5. Once presented with the Download box, please click on Save and the download will start.

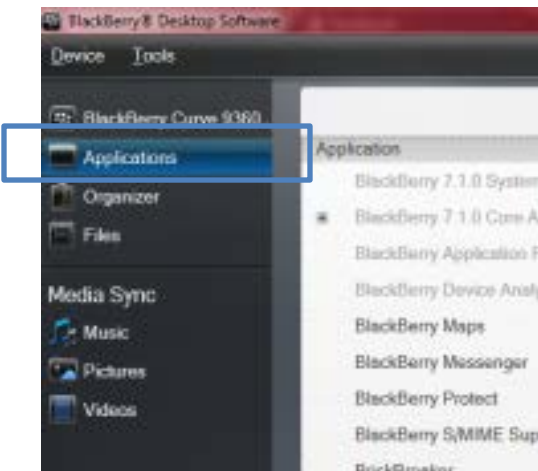


6. Once the download is completed, please unzip the *all.zip* file in a location you can access.

7. Connect the blackberry device to the PC. Once connected you will get the screen below.  
(The screen might differ depending on the version of BlackBerry Desktop Manager).

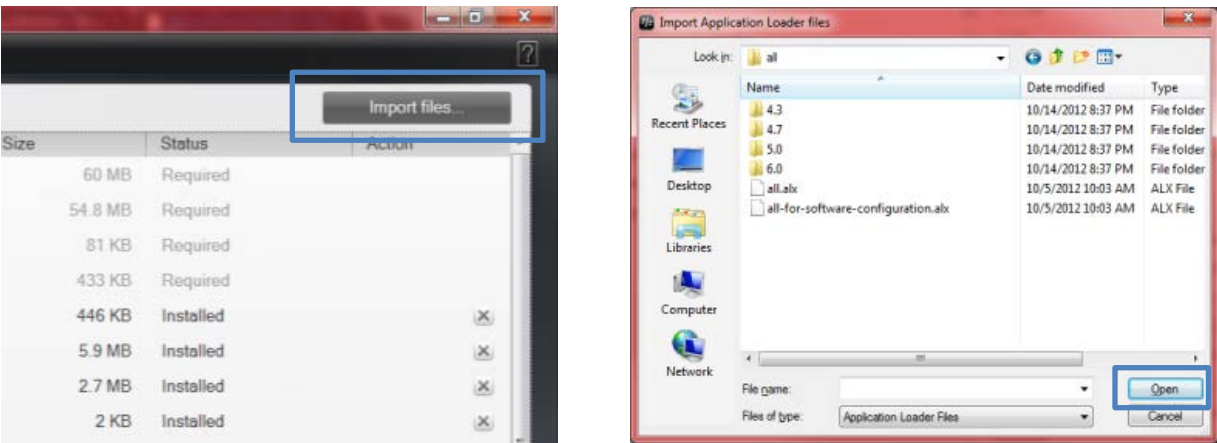


8. Click on *Applications*.

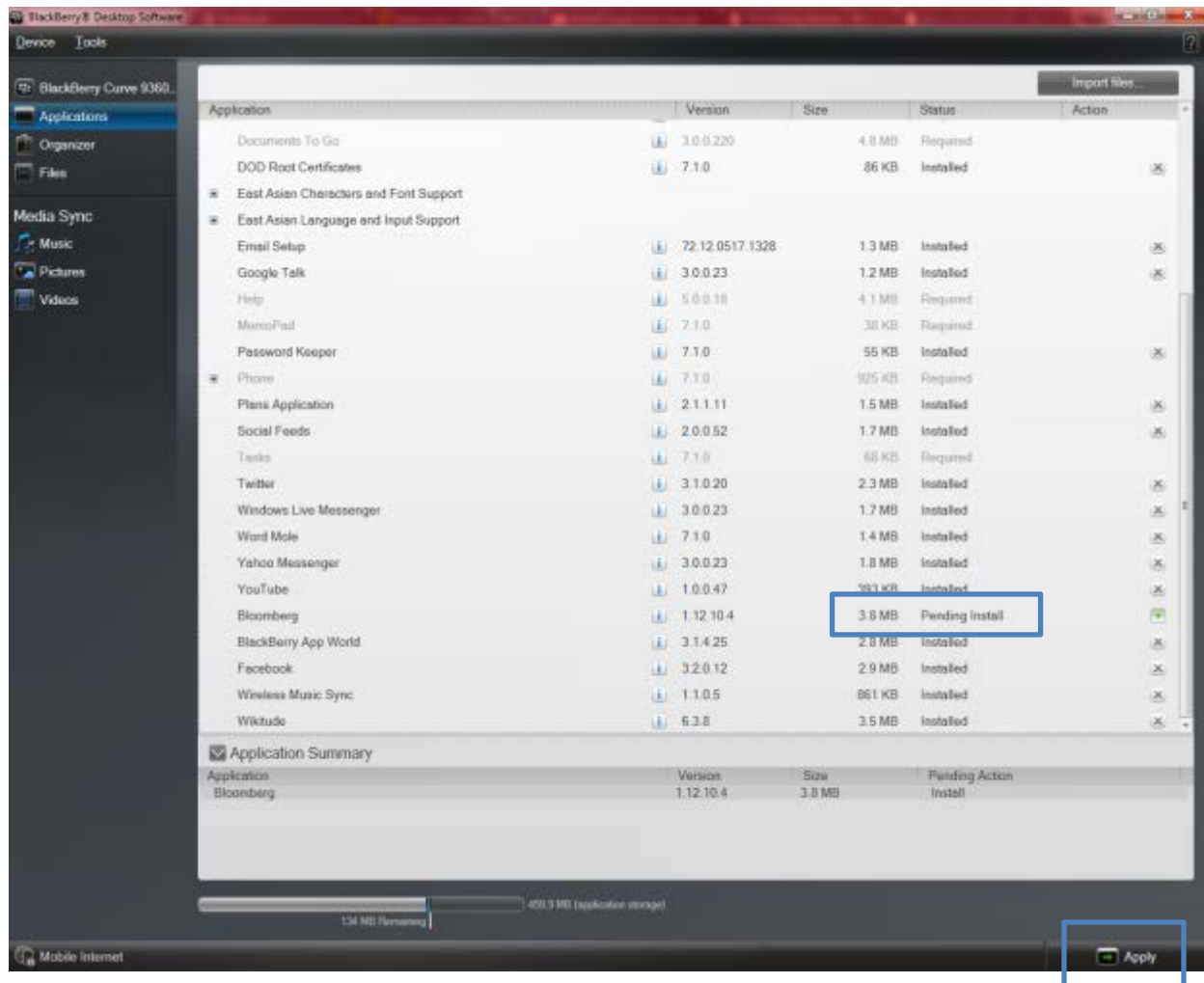


9. Click on *Import files*. Navigate to the location of the files that you just downloaded from Bloomberg’s website and open the *all* folder first. Select the *all.alx* file.

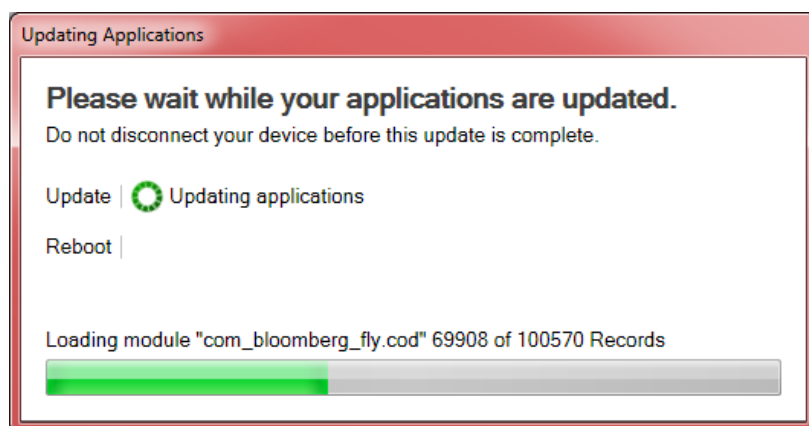
10. Click on *Open*. This will start the ALX Import.



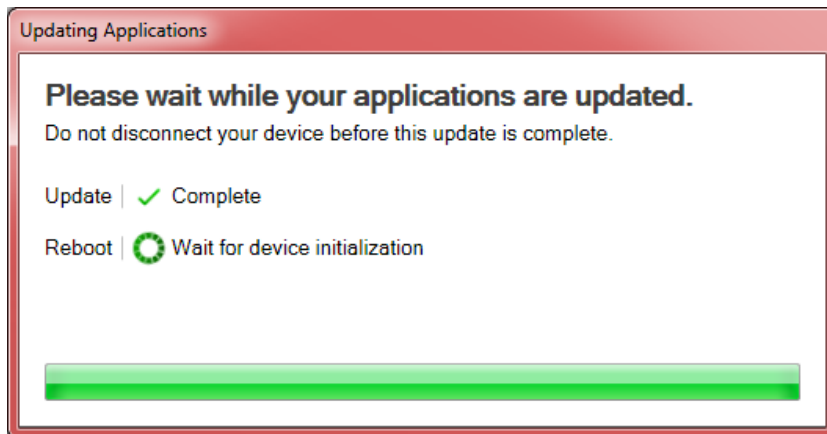
11. Once added, the Bloomberg App will appear in the Application windows.  
Now, click on *Apply* (at the bottom of the window).



12. After clicking on *Apply*, the update will start and Bloomberg modules will be pushed to the device.



13. The device will reboot after updating the applications. Please wait for the device initialization to complete and the device to come back up.



14. Once the status of the application will be INSTALLED. The device is ready to use and you can login to the Bloomberg application.

Install from the BES (BlackBerry Enterprise Server)

Continue to [Bloomberg On Blackberry Enterprise Server 4](#).



## Version Number Format

Bloomberg uses the following naming convention for the Bloomberg Anywhere for BlackBerry device software. Listed below is a description of what each number means and, how it relates to the release of each months version.

MAJOR. YEAR. MONTH. MINOR  
1      12      11      3

Major : Major version number, currently 1.  
Year : The year of the release.  
Month : The month of the release.  
Minor : Iteration of the software for that month before it was released.



## Repligo Pro for Blackberry - Software Details & Installation

Bloomberg users can access various documents on the Bloomberg Terminal which include attachments on Bloomberg MSG, company filings, attachments on news stories, law documents, etc. These documents can also be viewed on Bloomberg Anywhere for BlackBerry using the RepliGo Professional product from Cerience Corporation. The supported formats for files that are sent/received via MSG are Word, Excel, PowerPoint, pictures and Adobe PDFs.

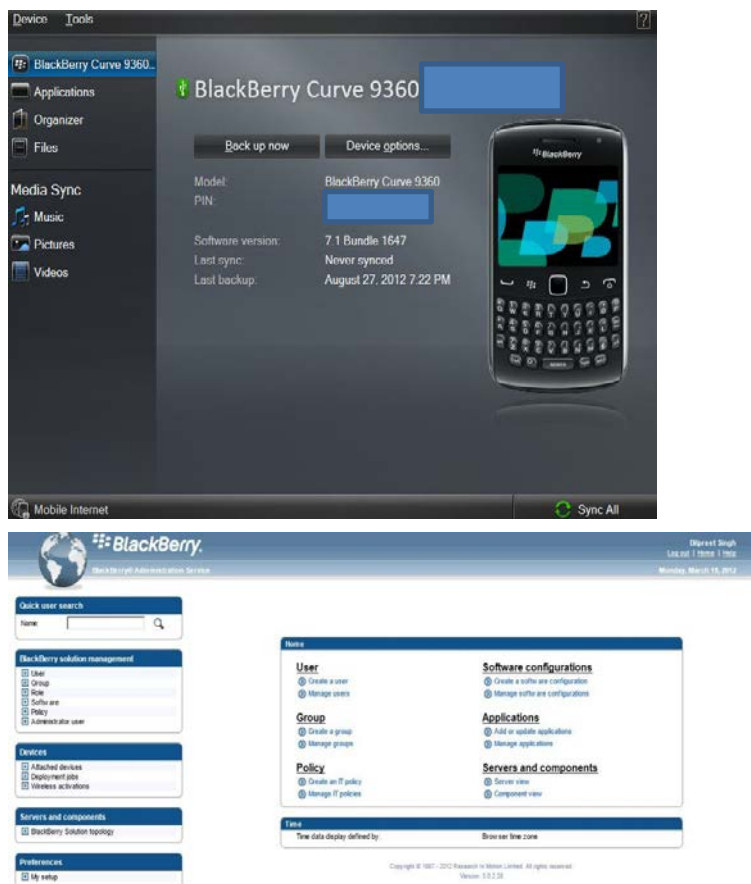
Bloomberg have an agreement with Cerience that allows RepliGo Professional to be installed by any Bloomberg Anywhere for BlackBerry users.

Devices Running BlackBerry OS 4.6 or later are compatible with the RepliGo Professional application. All versions of RepliGo Professional, can be found on our mobile application website:

<https://m.bloomberg.com>

There are three ways of getting the RepliGo Professional on your device:

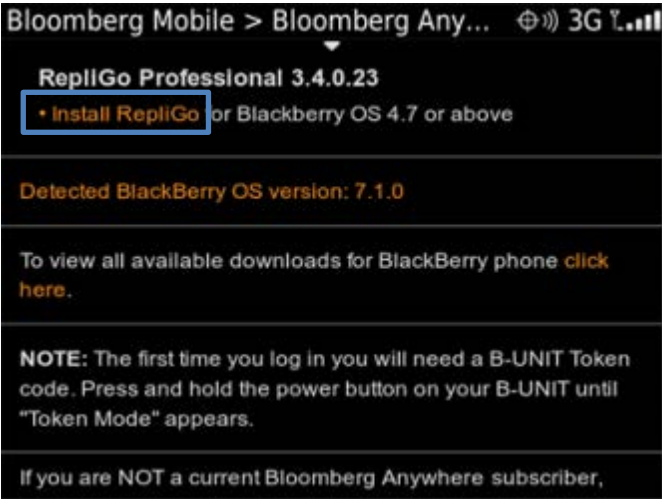
1. Install from the Web using the Device.
2. Install from the Desktop Manager.
3. Install from the BlackBerry Enterprise Server.



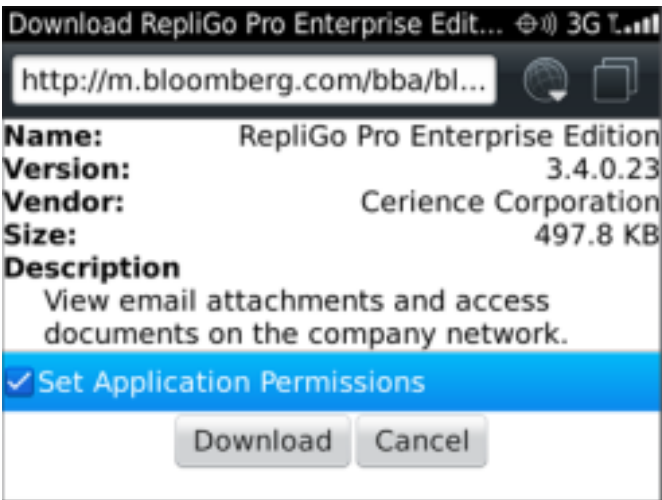


Installing over-the-air from the web

- 1. Navigate to the main screen of the device.  
Open the browser and navigate to <https://m.bloomberg.com>.
- 2. Click on the *Download* yellow button under Bloomberg Anywhere (black icon), and scroll down until you find the Repligo Professional line.  
Automatic detection of the OS version is done before the download link is displayed.
- 3. Click on *Install RepliGo*.



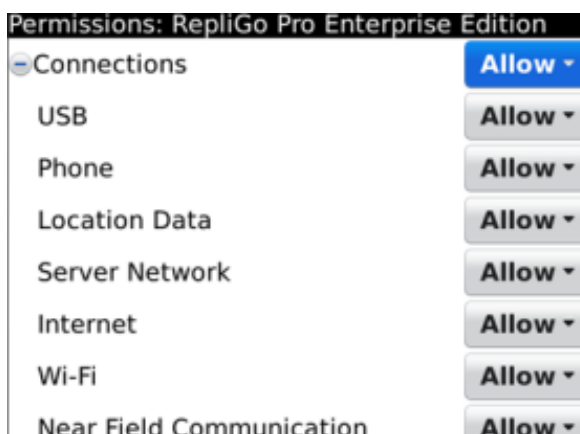
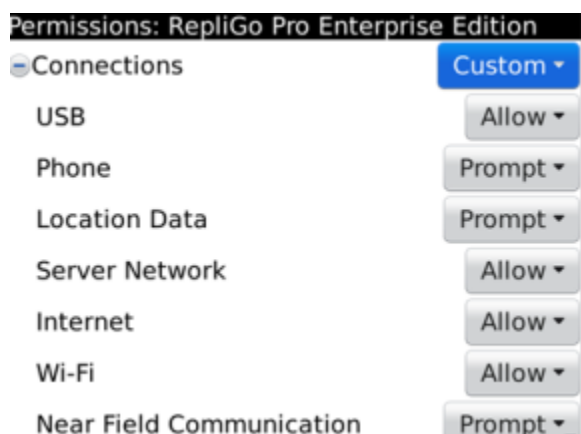
- 4. On the next screen, tick the *Set Application Permissions* box and click *Download*.



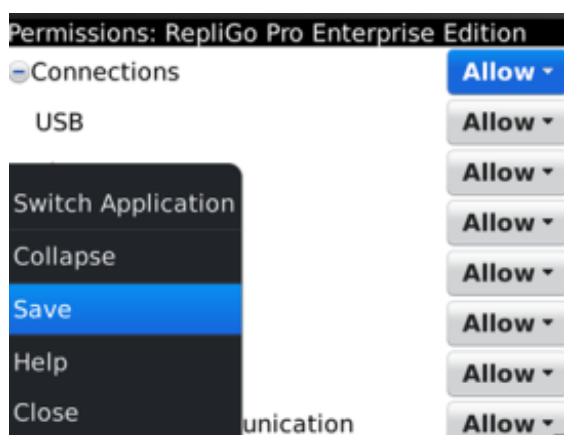
5. All the application permission should be moved from *Custom* to *Allow*. Setting each of these options to “Allow” will ensure that users do not receive repeated prompts from the BlackBerry’s Firewall asking if they want to grant access to the RepliGo application.

There are three main sections for permissions: Connections, Interactions, and User Data. Changing the setting to *Allow* for the main section will change the entire section to *Allow*.

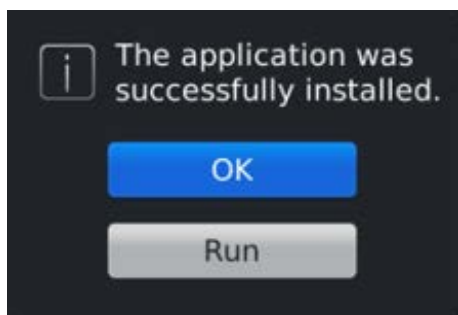
**NOTE:** depending on the access and permissions assigned to the device from the I.T. Administrator, you may not be able to set all three main sections.



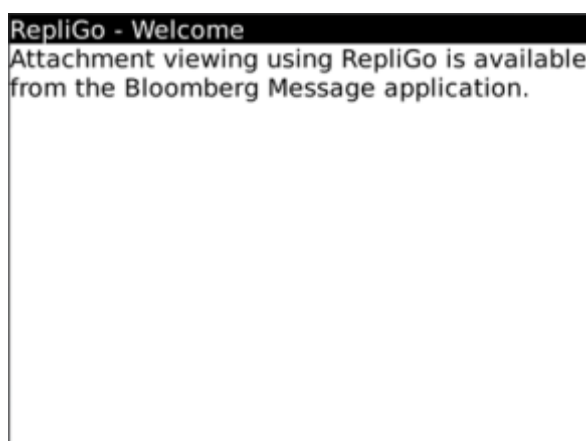
6. After changing each section to *Allow*, click the Back button on the device and choose *Save*. The download will begin and should take anywhere from ~30 seconds on a fast Wi-Fi / 3G connection to several minutes on a lower bandwidth 2G connection.



7. A pop-up message will confirm that the installation was successful. Click *OK*.



8. On most BlackBerry devices, the software will download into the *Downloads* folder. (This is a standard folder in the BlackBerry OS). The icon can be moved to the Home folder or wherever the user desires. On newer BlackBerry devices running OS 6.0 or higher, applications may download directly to the main BlackBerry screen. You will see the RepliGo icon in there. Attachments can now be open from the Bloomberg Anywhere for Blackberry application.



- 
- The screenshot shows the Bloomberg Mobile website in a Windows Internet Explorer browser. The address bar displays 'http://m.bloomberg.com'. The page features a dark header with the 'Bloomberg' logo. Below the header, a list of mobile applications is presented, each with a square icon, a title, a brief description, and a yellow 'DOWNLOAD' button. The first app, 'Bloomberg Anywhere', is enclosed in a blue rectangular box. The other apps listed are 'Bloomberg', 'Bloomberg Radio+', 'Bloomberg TV+', 'Bloomberg Businessweek+', 'Bloomberg Markets+', 'Bloomberg Mobile Web', and 'Businessweek Mobile Web'. The browser's status bar at the bottom indicates '100%' zoom and 'Protected Mode: Off'.
- | App Name                       | Description   |
|--------------------------------|---|
| <b>Bloomberg Anywhere</b>      | If you are a current Bloomberg Anywhere® subscriber, get real-time access to the Bloomberg Professional® service on your mobile device. <a href="#">More...</a>                 |
| <b>Bloomberg</b>               | Get our free Bloomberg app for news, market overviews, your portfolio and more, all designed for your mobile device. <a href="#">More...</a>                                    |
| <b>Bloomberg Radio+</b>        | Listen to in-depth interviews and insightful analysis from the smartest and most influential names in Finance, Business, Economics and Investment. <a href="#">More...</a>      |
| <b>Bloomberg TV+</b>           | A 24-hour global business & financial news network that is watched by the most affluent and influential viewers in the world. <a href="#">More...</a>                           |
| <b>Bloomberg Businessweek+</b> | Provides all the content in the print edition of the magazine along with exclusive content and interactive features that enrich the reading experience. <a href="#">More...</a> |
| <b>Bloomberg Markets+</b>      | Bloomberg Markets is an award-winning monthly magazine that covers the people, stories and ideas that move global financial markets. <a href="#">More...</a>                    |
| <b>Bloomberg Mobile Web</b>    | Get Bloomberg coverage of news, market, equity and financial information on your mobile browser.  |
| <b>Businessweek Mobile Web</b> | A unique perspective on global business, finance, technology & more on your browser.  |

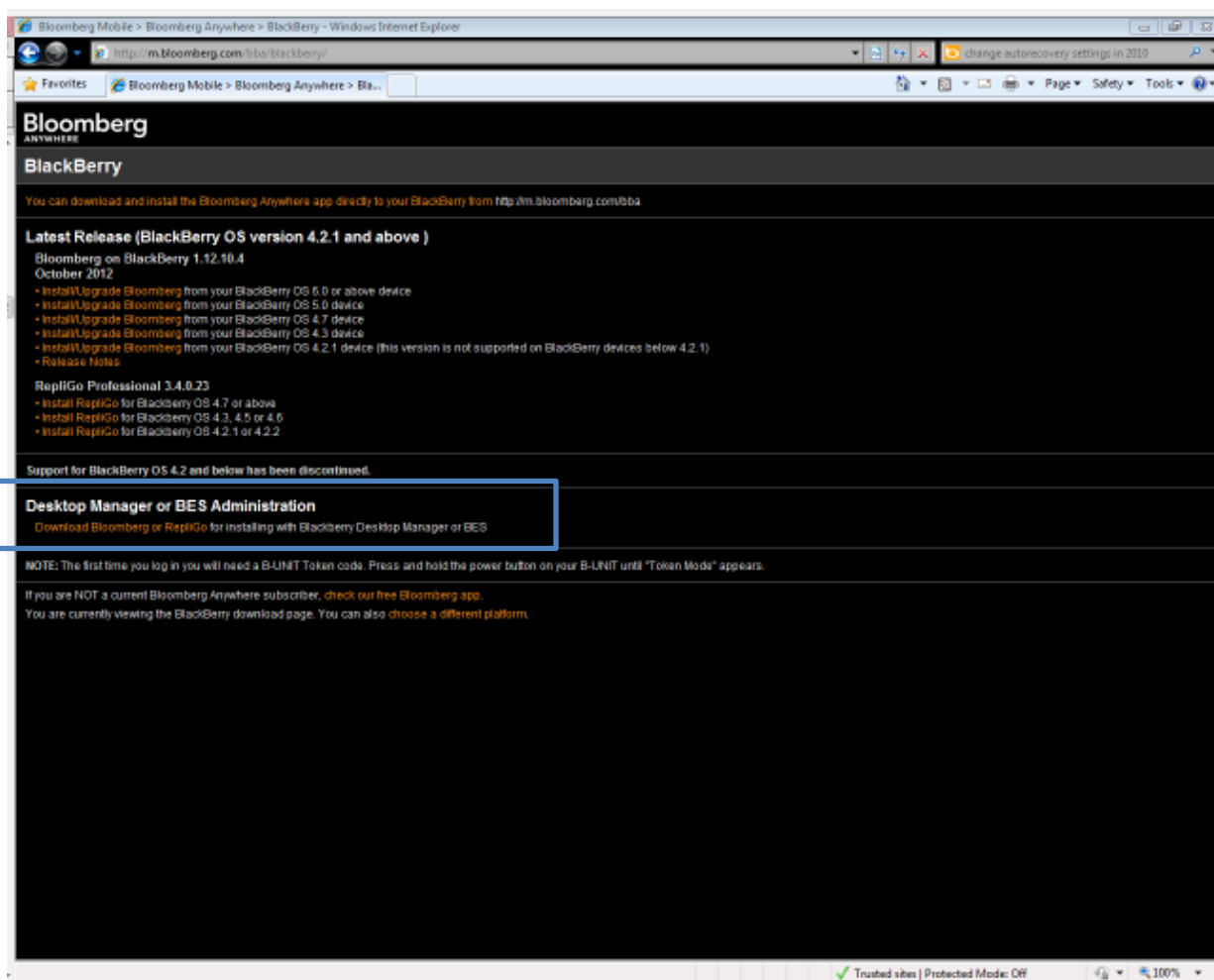


2. Click on *BlackBerry*.

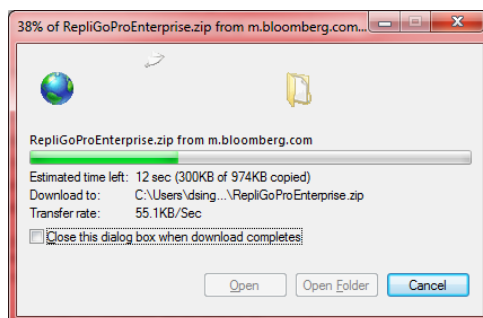
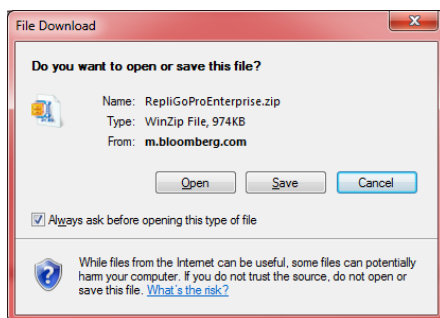
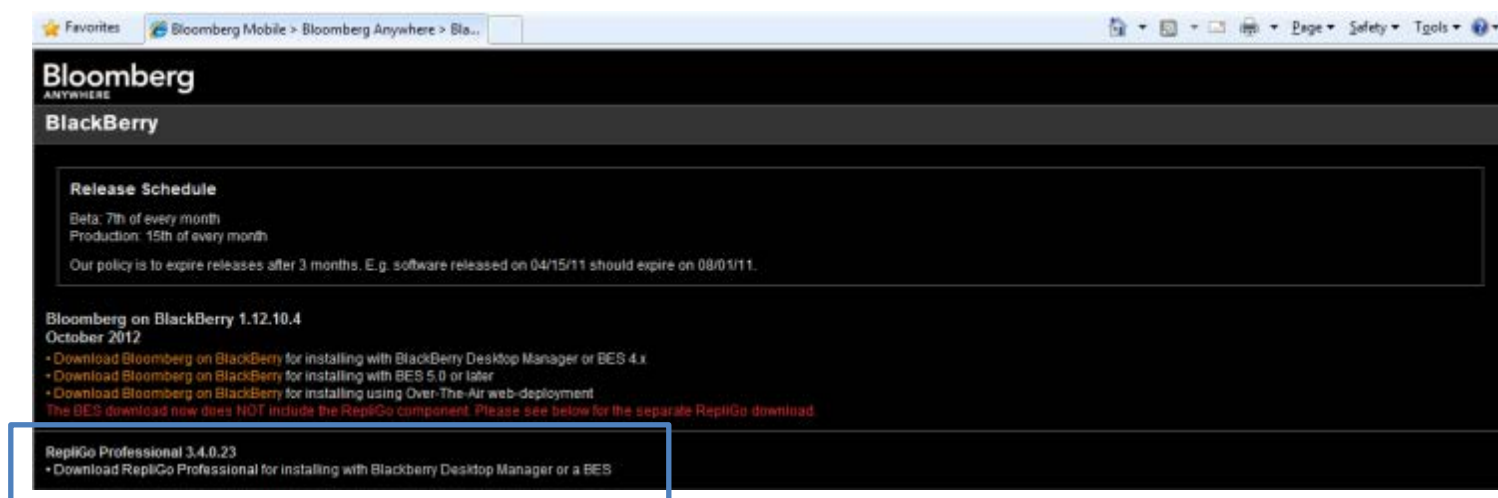


3. Scroll down the page and click on *Download Bloomberg or RepliGo* for installing with BlackBerry Desktop Manager or BES.

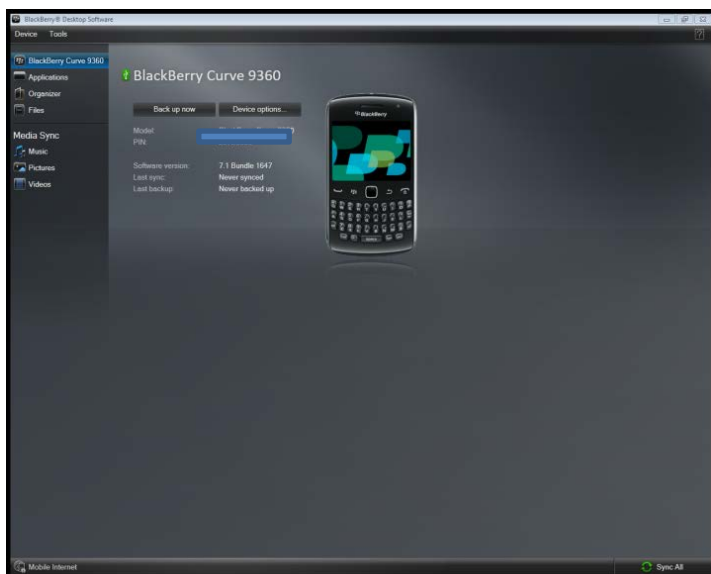
**NOTE:** The BES download for BLOOMBERG ANYWHERE does NOT include the RepliGo component.



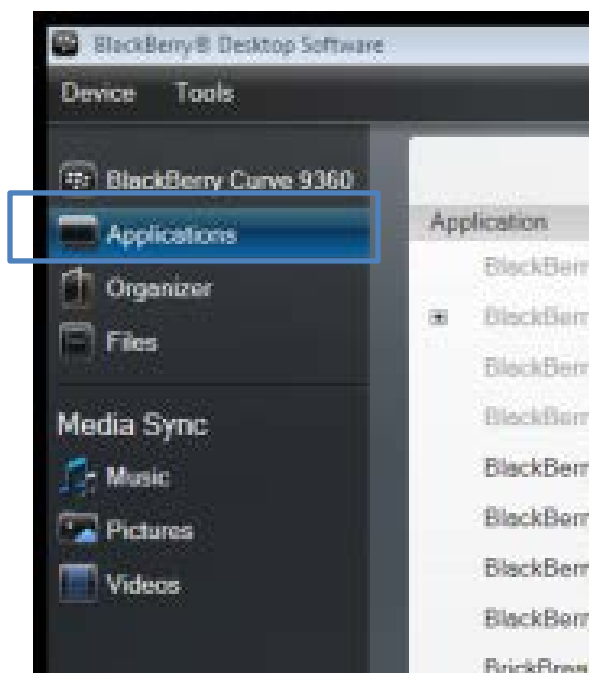
- Click on the orange *Download Repligo Professional* link under Repligo Professional 3.4.0.23 and the download will start.



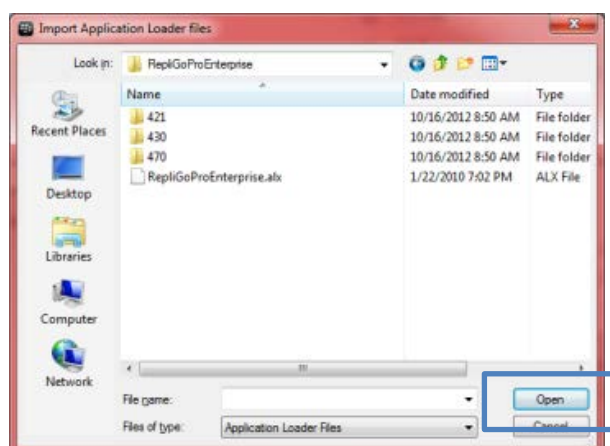
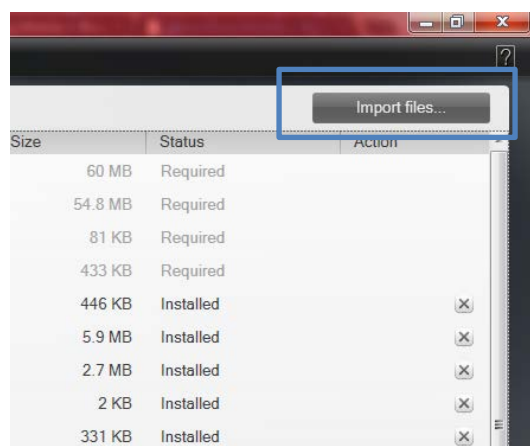
- Once the download is completed, please unzip the RepligoProEnterprise.zip file in a location when you have access.
- Now connect the device to a PC. Once connected you will see the screen below (The screen might differ depending on the version of BlackBerry Desktop Manager).



7. Click on Applications on the left side of the screen.



8. Then click on *Import Files*. Navigate to the location of the files that you just downloaded from Bloomberg's website and open the ALL folder first.

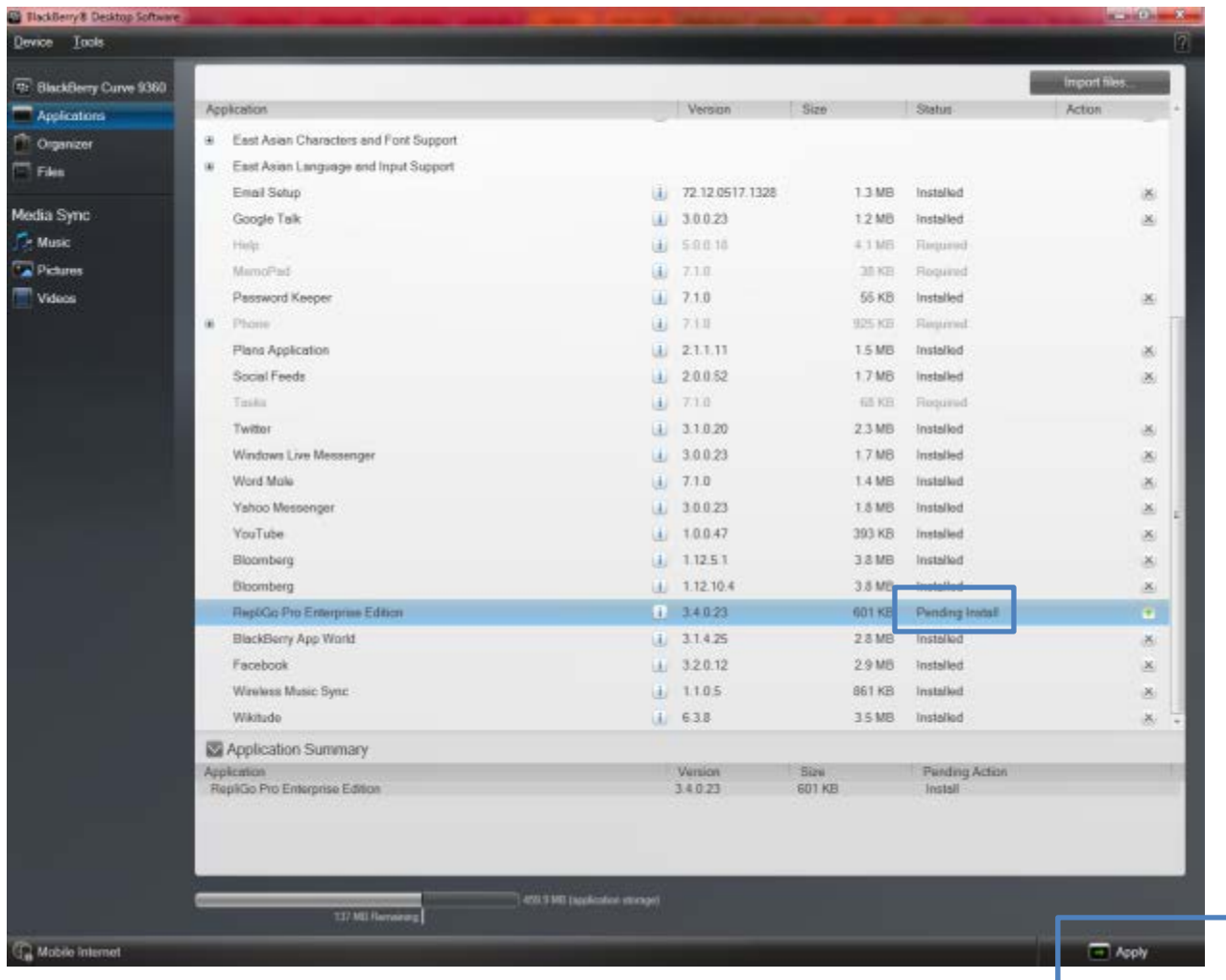


9. Select the RepliGoProEnterprise.alx file and click on *Open*. This will start the ALX Import.

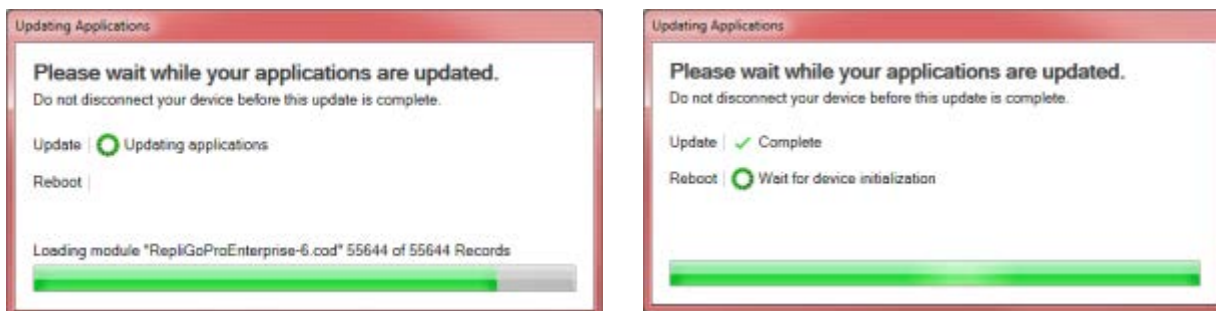




10. Once added you will see the RepliGo App in the application windows.  
Click on *Apply* (at the bottom right of the screen) and the installation will start.



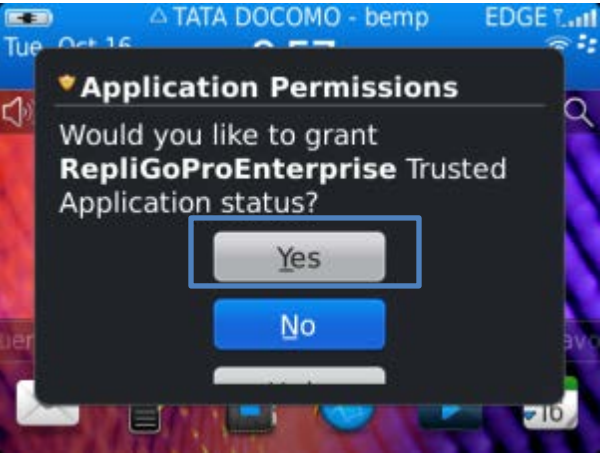
11. The Bloomberg modules will be pushed to the device. The device will reboot after updating the applications. Please wait for the device initialization to complete and the device to come back up.



12. Once up the Status of the application will be INSTALLED, the device is ready to use and you can login to the Bloomberg application on the device and start using attachments.



13. You might have to allow the permissions for the RepliGoProEnterprise module.  
If you receive the below pop up, click on Yes.



14. On most BlackBerry devices, the software will download into the “Downloads” folder.  
(This is a standard folder in the BlackBerry OS). From here it can be moved to the Home folder or wherever the user desires. On newer BlackBerry devices running OS 6.0 or higher, applications may download directly to the main BlackBerry screen. You will see the RepliGo icon in there.



Install from the BES (BlackBerry Enterprise Server)

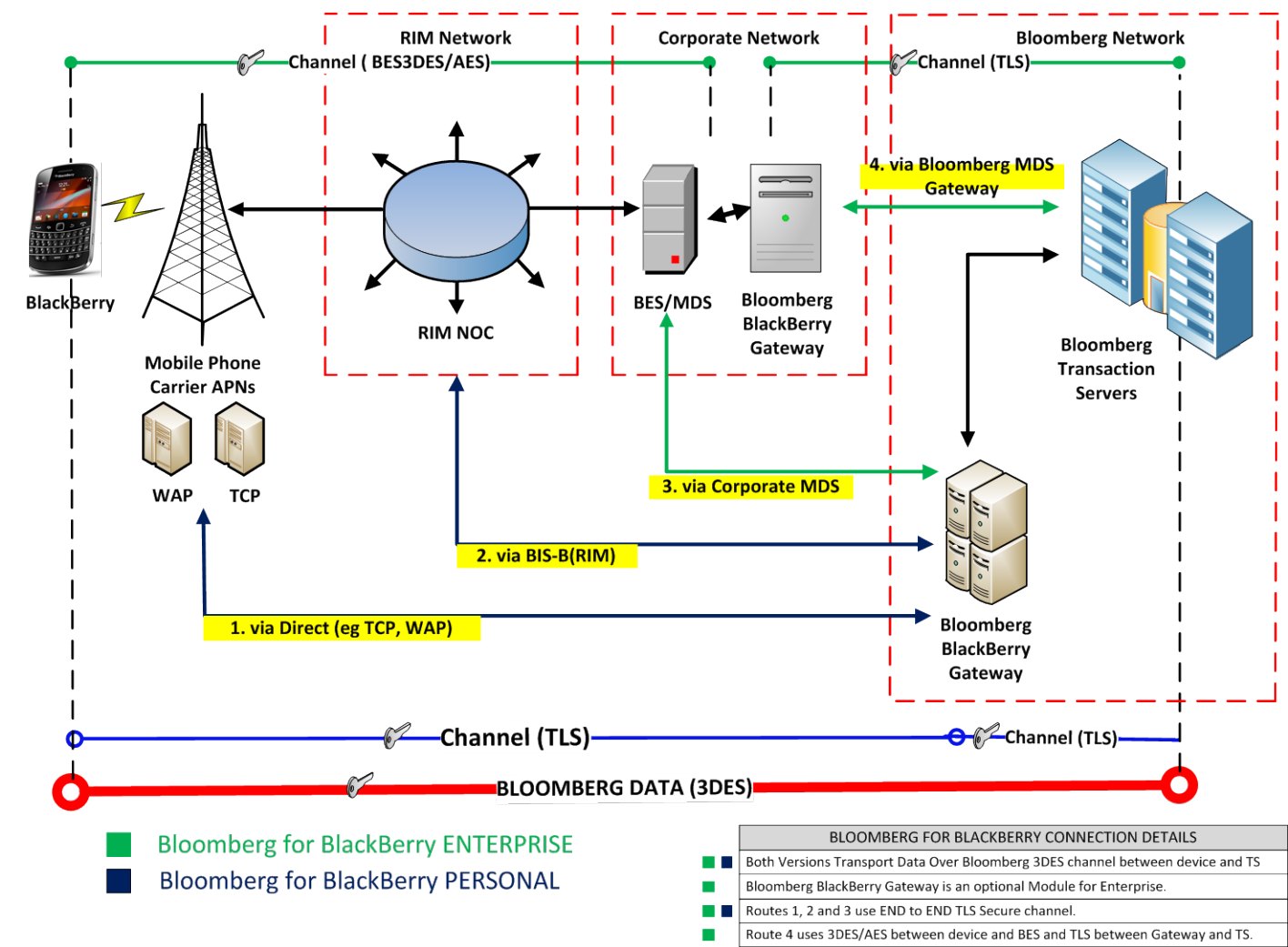
Continue to [Bloomberg On Blackberry Enterprise Server 4.](#)



# Connectivity Requirements

## Overview of Network Connection routes

Bloomberg Anywhere for BlackBerry is able to connect to the Bloomberg servers using any available data connection routes on the device. These are illustrated in the diagram below. Routes available on the device will depend on the network carrier, data plan subscription and IT policy applied on the device.



Bloomberg Anywhere for BlackBerry automatically detects the available connections and will use them in the following priority order:

- ☐ Bloomberg BlackBerry Gateway (bloombergmds or bloombergmds-backup)
- ☐ BlackBerry MDS CS
- ☐ BlackBerry Internet Service (BIS)
- ☐ Direct – Wi-Fi
- ☐ Direct – TCP
- ☐ Direct – WAP

BlackBerry devices with the least-cost routing support will automatically use Wi-Fi or BIS when available. Least-cost routing works for the Gateway, MDS and BIS routes.

**NOTE:** The order here corresponds to the order tried by the Bloomberg Anywhere for BlackBerry application. Not all connectivity options may be appropriate in your environment. If you would like to discuss the best choice for your environment, please contact Bloomberg Global Technical Support.

### Advantages of using a local Bloomberg BlackBerry Gateway

Installing the Bloomberg BlackBerry Gateway on your corporate network enables the Bloomberg Anywhere for BlackBerry application to use BlackBerry's push infrastructure. When not using BlackBerry push, our device software will attempt to keep a persistent connection open to the Bloomberg servers. In many environments these connections are aggressively closed by network infrastructure, causing battery drain due to regular re-establishment of an SSL connection. This is particularly noticeable when connections are made through BES MDS-CS.

In general, we find our users have the best experience with the application when connecting via Direct TCP. In environments where policy dictates that traffic from the application must be brought back to the BES, you are likely to experience significantly better performance with the Bloomberg BlackBerry Gateway component installed.



## ROUTE 1: Bloomberg BlackBerry Gateway

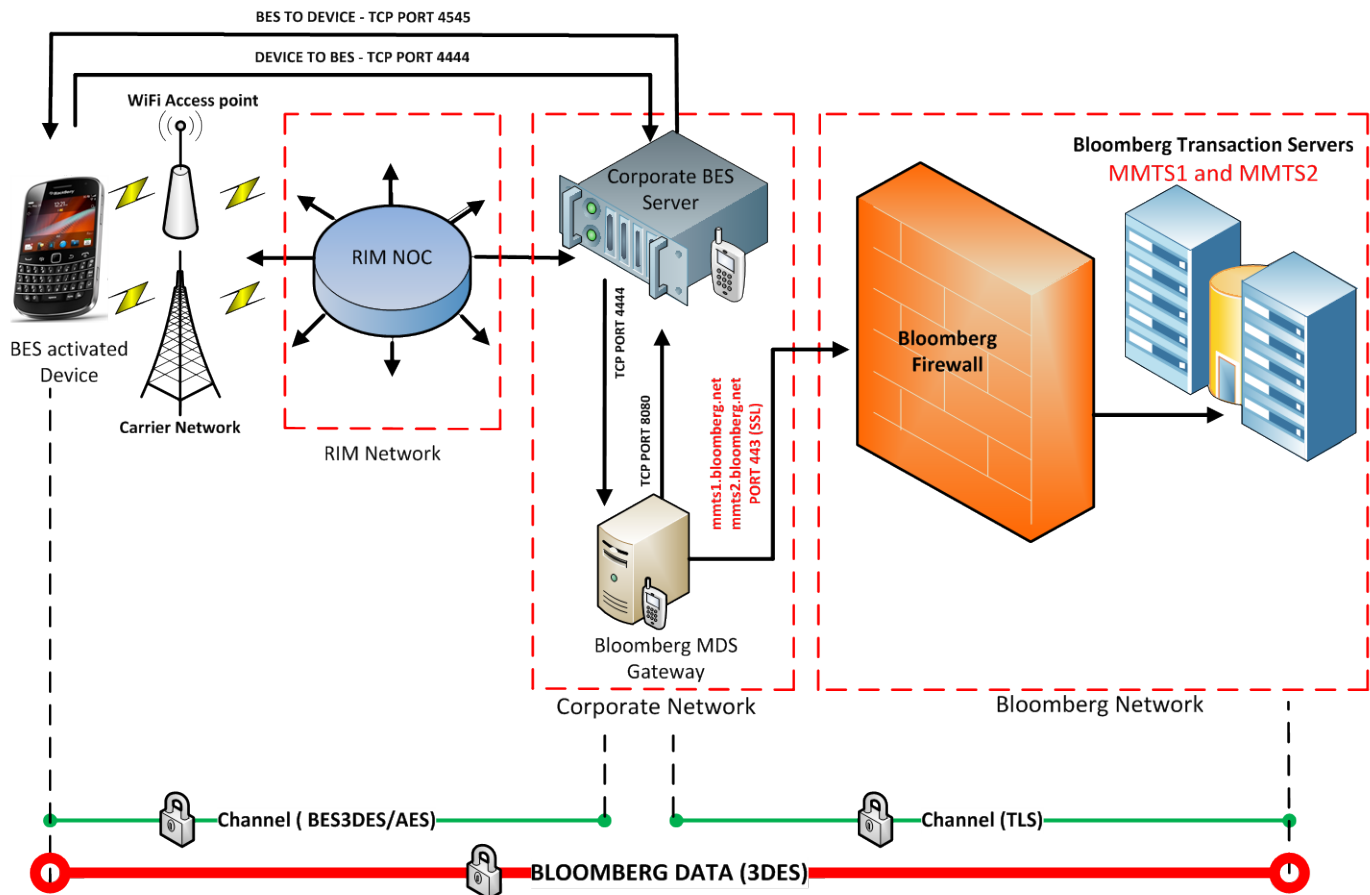
In this configuration, a local Bloomberg BlackBerry Gateway (previously known as the "MDS Gateway") is deployed on a machine within the customer network, alongside a BlackBerry Enterprise Server environment.

# Bloomberg

BLOOMBERG CONNECTIVITY DIAGRAMS SERIES

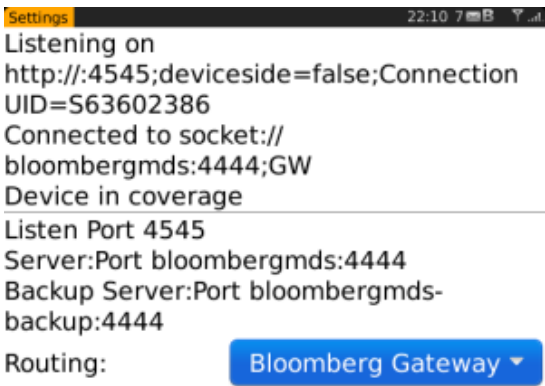
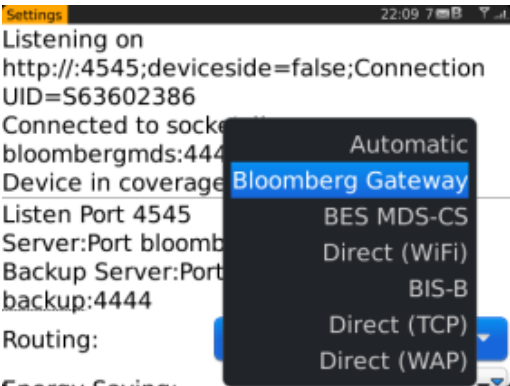
### BLOOMBERG'S MDS GATEWAY

SETUP : A BES activated Blackberry connecting via Bloomberg BlackBerry gateway to Bloomberg using Mobile network or WiFi



Route Tester: Bloomberg Blackberry Gateway

The following screenshots are from a device using Bloomberg BlackBerry Gateway to connect to Bloomberg.



Connectivity Requirements

Please continue to [page 53 - Bloomberg Blackberry Gateway](#) for a complete guide about Bloomberg Blackberry Gateway.



## ROUTE 2: BlackBerry MDS-CS

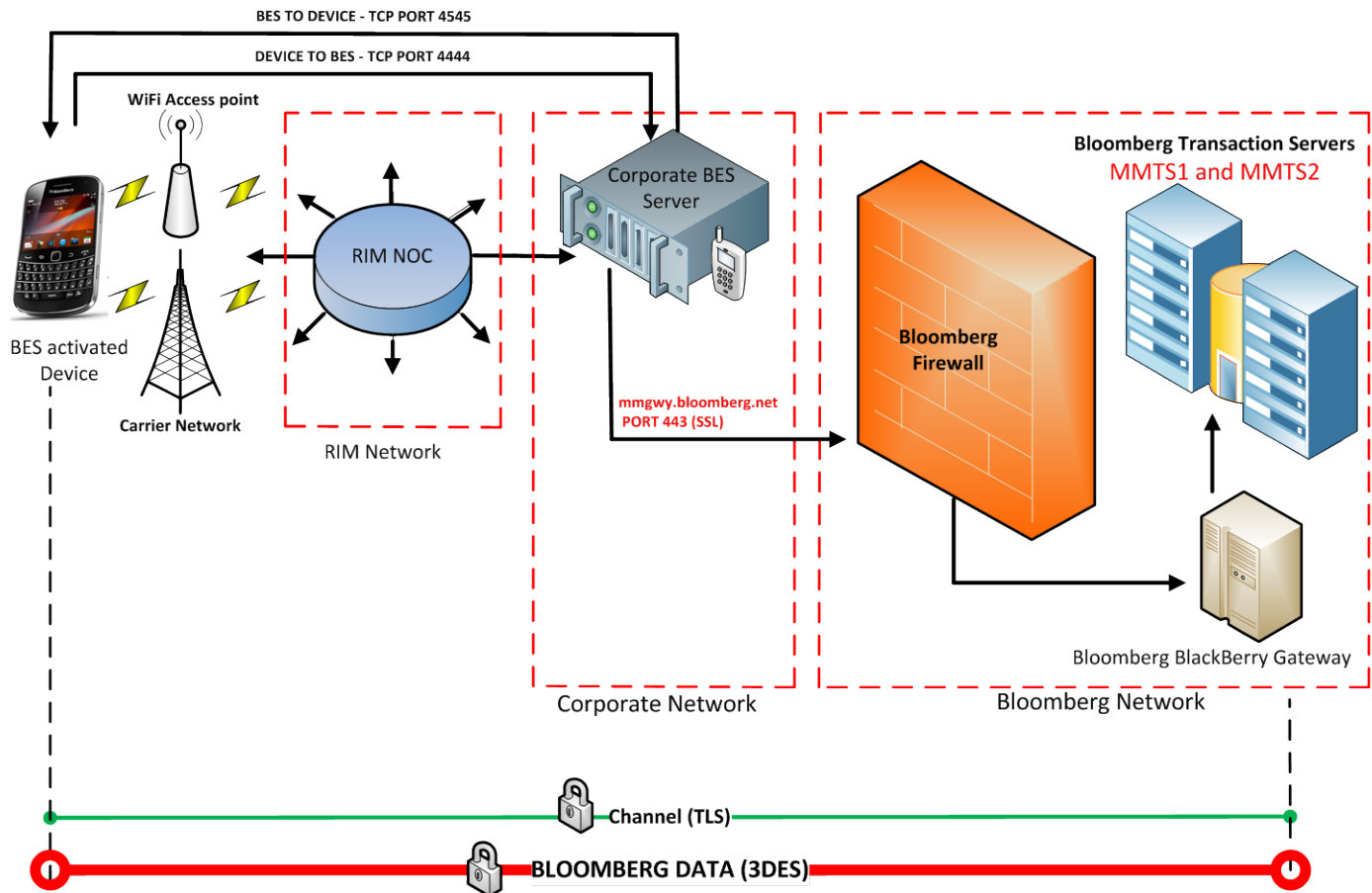
In this configuration, BlackBerry handhelds connect through a BlackBerry Enterprise Server environment. The MDS- CS will make connections on behalf of BlackBerry handhelds directly to Bloomberg's network.

BLOOMBERG CONNECTIVITY DIAGRAMS SERIES

### CORPORATE BES USING MDS-CS

SETUP: A BES activated Blackberry connecting to Bloomberg using Mobile network or WiFi using the BES MDS Connection Service

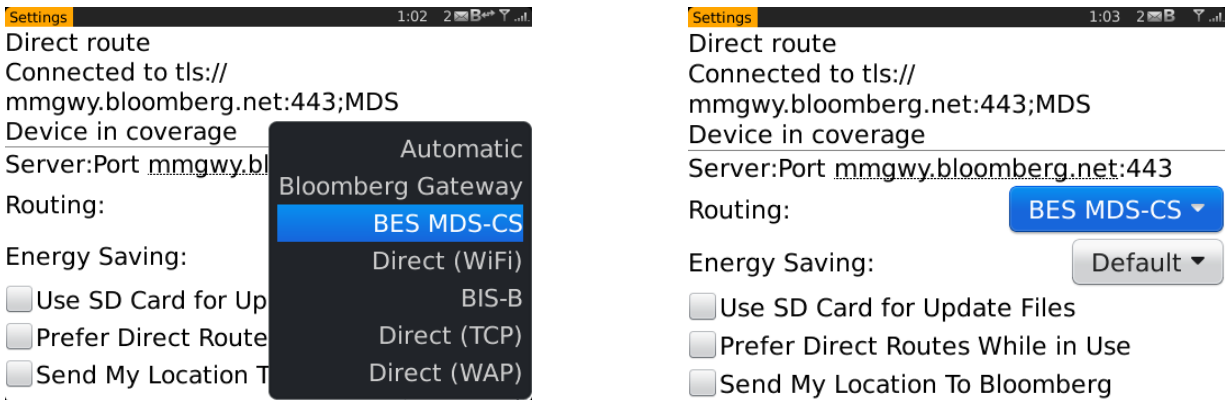
**Bloomberg**





# Route Tester: BlackBerry MDS-CS

The following screenshots are from a device using BlackBerry MDS-CS to connect to Bloomberg.



## Connectivity Requirements

The **Desktop [MDS]** service book is required for the route to work and connect to MDS CS. It contains information that is required to use the BlackBerry MDS CS service.

The MDS-CS service must be able to resolve and connect to the addresses listed below.

DNS Name	Address	Port
mmgwy.blpprofessional.com	160.43.251.179	443
	69.191.247.103	443
mmgwy.bloomberg.net	160.43.251.60	443
	69.191.247.60	443

For maximum service availability, we strongly recommend that clients ensure all addresses are accessible at all times – even if the application appears to function correctly with only one. In order to reduce the impact of future changes, we recommend allowing access to the following Bloomberg subnets for port 443:

Address	Subnet Mask
160.43.251.0	255.255.255.0
69.191.247.0	255.255.255.0

The gateway needs to be able to send pushes to the MDS-CS on its push listen port. In order to traverse corporate firewalls, an HTTP proxy can be specified using an IT Policy as part of the corporate BlackBerry configuration. This proxy must support the CONNECT method for the hosts outlined above.



## ROUTE 3: BlackBerry Internet Service (BIS)

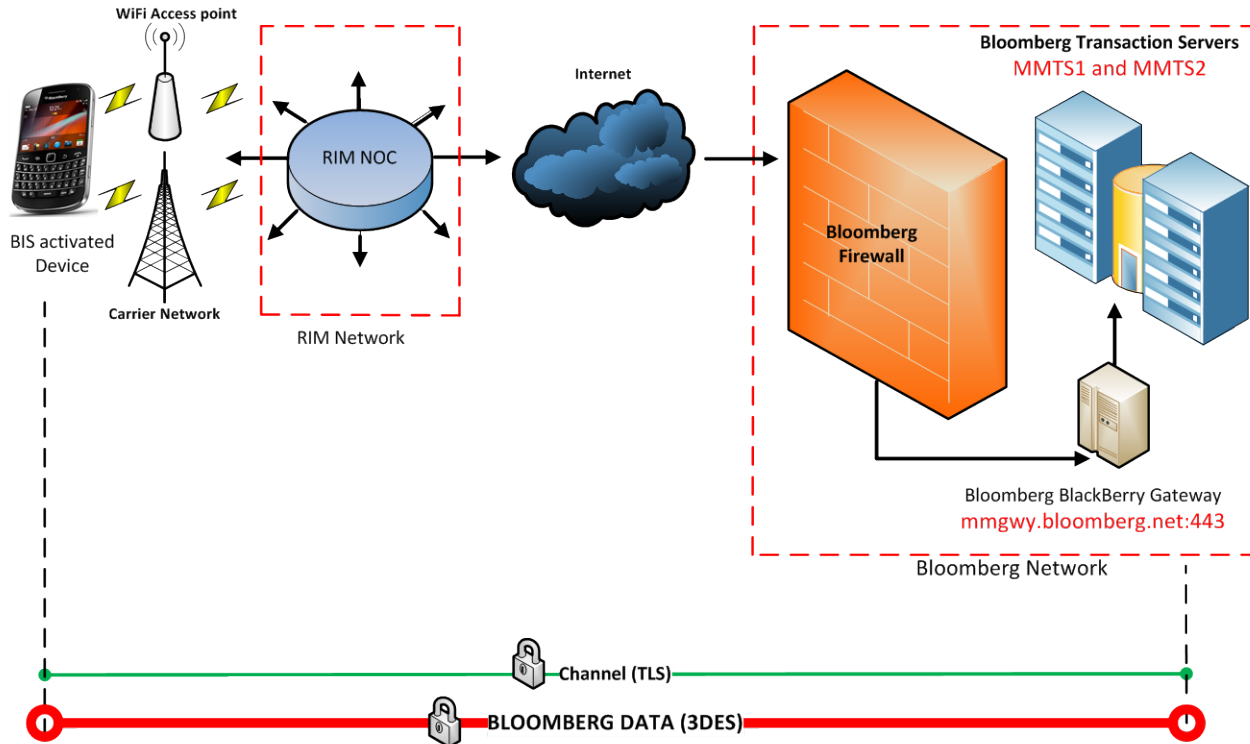
Users subscribing to a BlackBerry Internet Service plan are able to connect to Bloomberg via this route. It does not require a BlackBerry Enterprise Server.

# Bloomberg

BLOOMBERG CONNECTIVITY DIAGRAMS SERIES

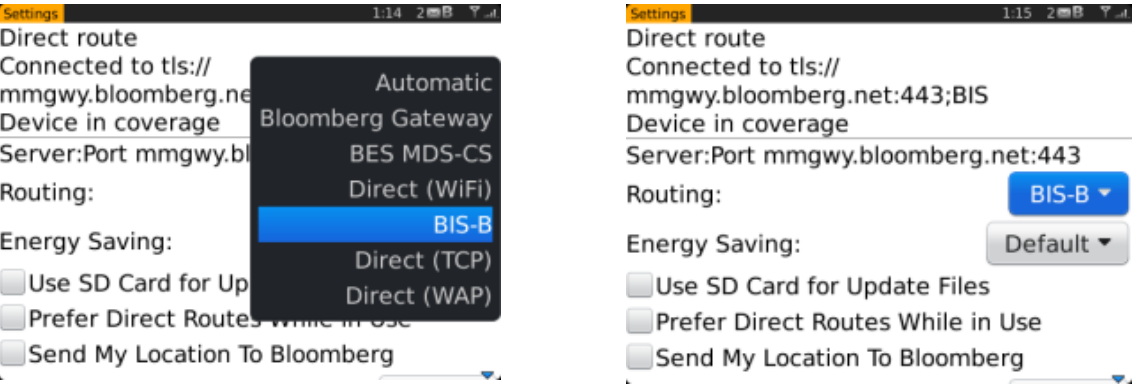
**BLACKBERRY BIS over a WiFi or a Mobile Network (2G, 3G, 4G)**

SETUP : A Blackberry connecting to Bloomberg using Blackberry Internet Services (BIS) over a WiFi or a Mobile Network (2G, 3G, 4G)



Route Tester: BlackBerry Internet Service (BIS)

The following screenshots are from a device using BlackBerry Internet Service (BIS) to connect to Bloomberg.



Connectivity Requirements

The following service books are required for the app to work efficiently on this route:

- **IPPP for BIBS [IPPP]**: Contains information about BlackBerry Internet Browser Service routing information
- **Desktop [IPPP]** or **BlackBerry [IPPP]**: Contains information that is required to use and browse the Internet using the BlackBerry Mobile Data System (BlackBerry MDS)



## ROUTE 4: Direct – Wi-Fi

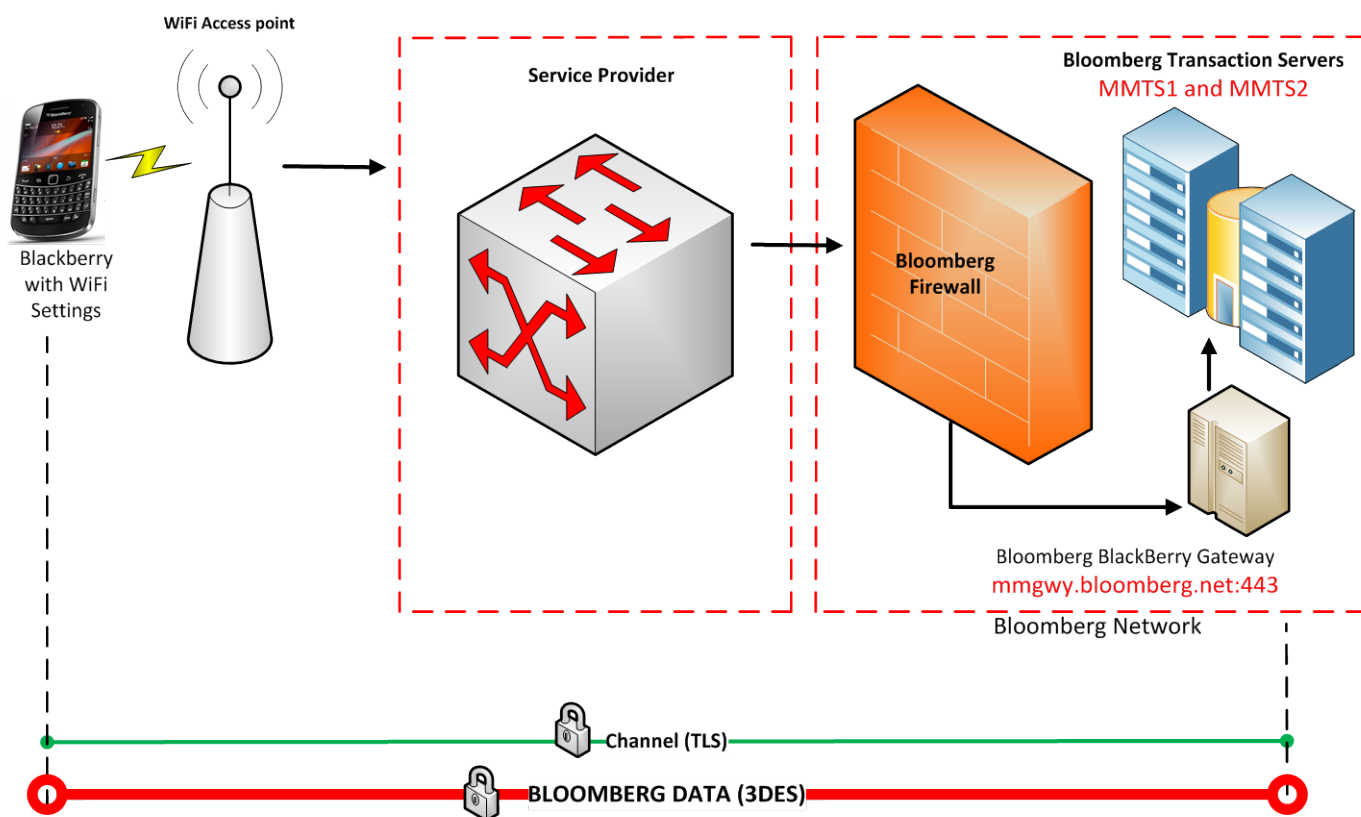
This route requires that the handheld has established connectivity to a Wi-Fi hotspot.

BLOOMBERG CONNECTIVITY DIAGRAMS SERIES

### Direct WiFi

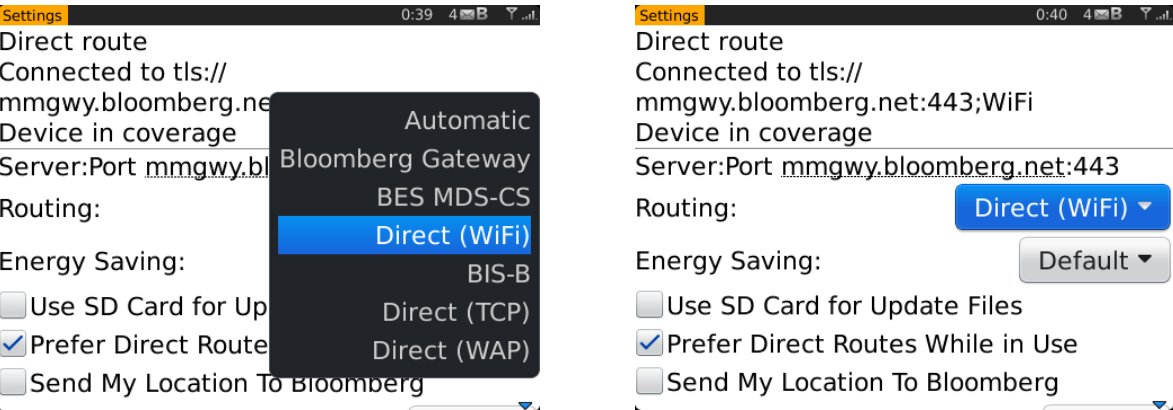
SETUP : A standalone Blackberry connecting to Bloomberg using WiFi

# Bloomberg



Route Tester: Direct Wi-Fi

The following screenshots are from a device using Direct Wi-Fi to connect to Bloomberg.



Connectivity Requirements

The Wi-Fi network service must be able to resolve and connect to the addresses listed below:

DNS Name	Address	Port
mmgwy.blpprofessional.com	160.43.251.179	443
	69.191.247.103	443
mmgwy.bloomberg.net	160.43.251.60	443
	69.191.247.60	443

For maximum service availability, we strongly recommend that clients ensure all addresses are accessible at all times – even if the application appears to function correctly with only one. In order to reduce the impact of future changes, we recommend allowing access to the following Bloomberg subnets for port 443:

Address	Subnet Mask
160.43.251.0	255.255.255.0
69.191.247.0	255.255.255.0

HTTP proxies are not supported at this time.



## ROUTE 5: Direct – TCP (3G / 2G / GPRS / EDGE)

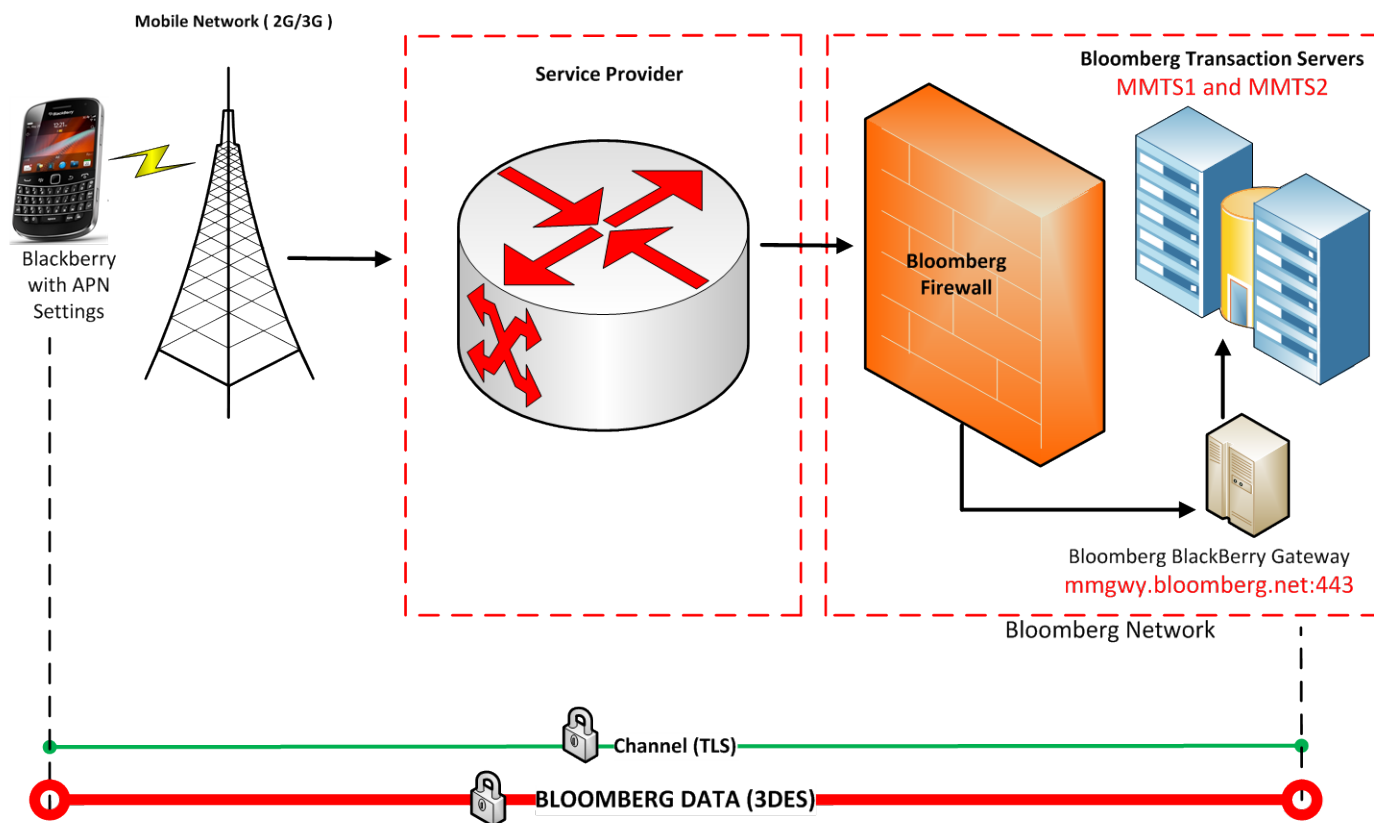
Handhelds configured for mobile internet access directly via the mobile carrier can connect to Bloomberg via this route.

BLOOMBERG CONNECTIVITY DIAGRAMS SERIES

### Direct TCP / Mobile Network (2G, 3G, 4G)

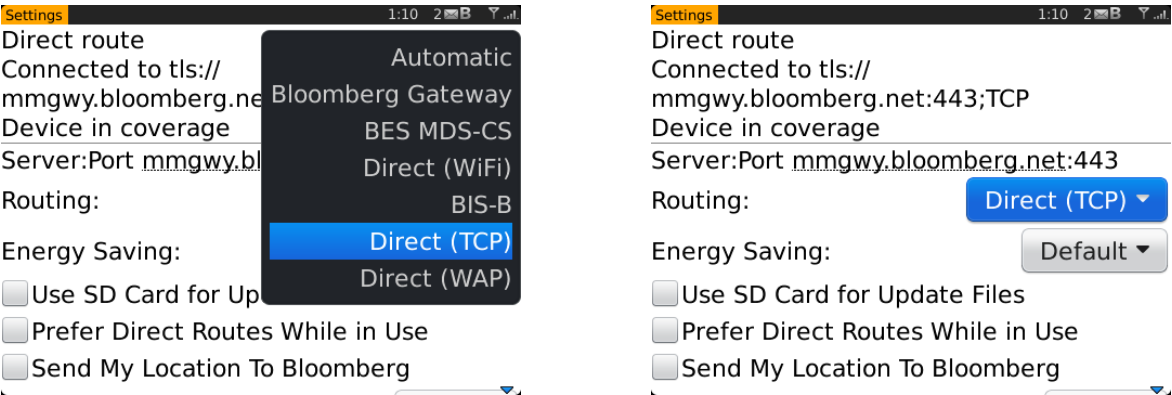
SETUP : A standalone Blackberry connecting to Bloomberg using Mobile Network

# Bloomberg



# Route Tester: Direct TCP

The following screenshots are from a device using Direct TCP to connect to Bloomberg.



## Connectivity Requirements

APN (Access Point Name) settings provided by the mobile carrier should be correctly entered in the device to enable connection to the Internet via TCP. Your mobile carrier must be must be able to resolve and connect to the addresses listed below:

DNS Name	Address	Port
mmgwy.blpprofessional.com	160.43.251.179	443
	69.191.247.103	443
mmgwy.bloomberg.net	160.43.251.60	443
	69.191.247.60	443

For maximum service availability, we strongly recommend that clients ensure all addresses are accessible at all times – even if the application appears to function correctly with only one. In order to reduce the impact of future changes, we recommend allowing access to the following Bloomberg subnets for port 443:

Address	Subnet Mask
160.43.251.0	255.255.255.0
69.191.247.0	255.255.255.0





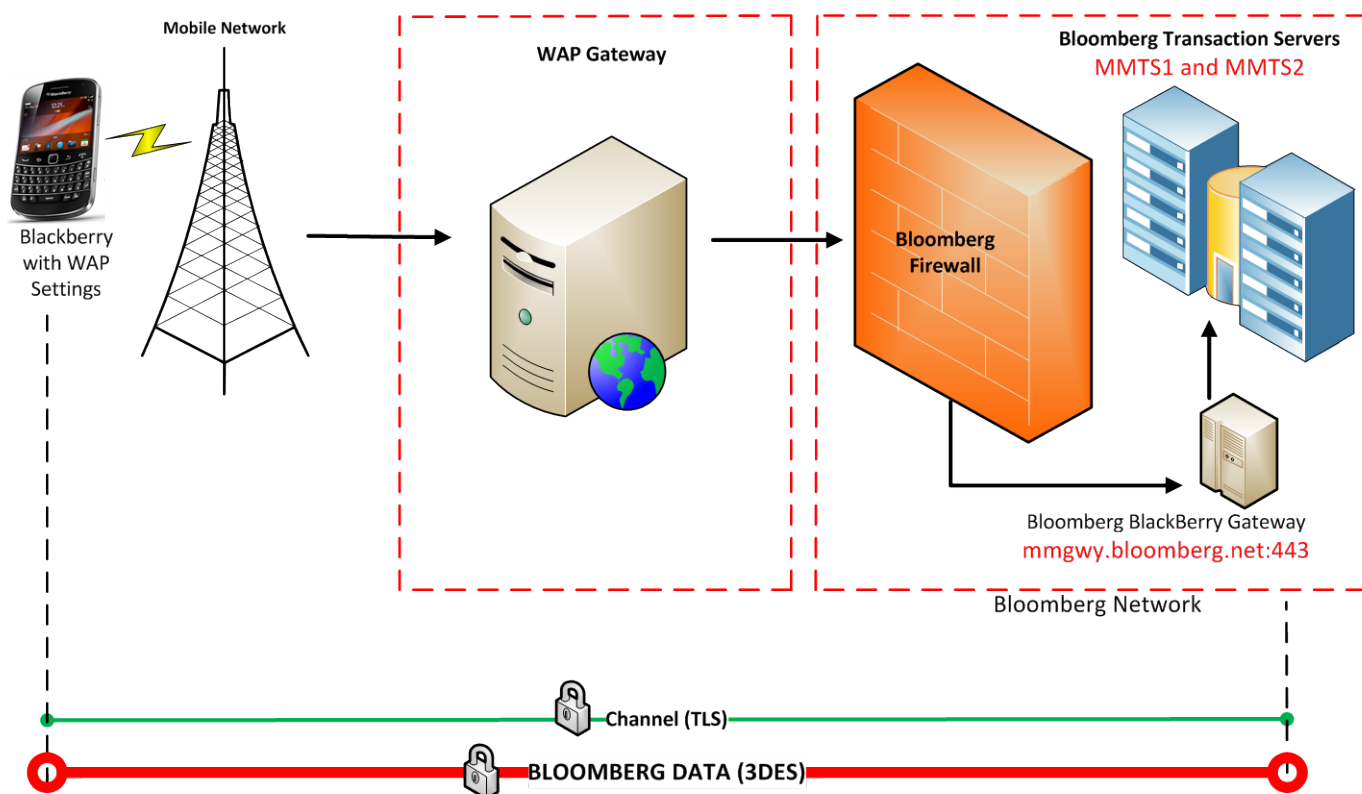
# ROUTE 6: Direct – WAP

BLOOMBERG CONNECTIVITY DIAGRAMS SERIES

## Direct WAP \ Mobile Network

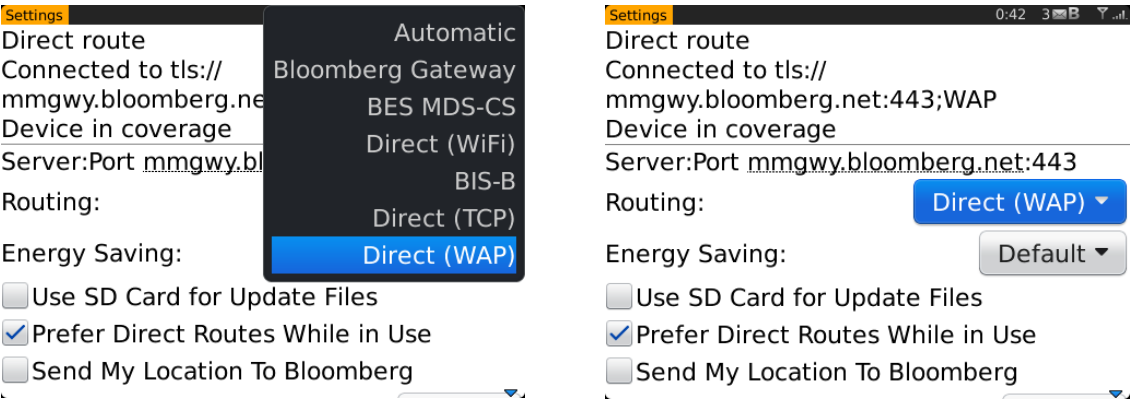
SETUP : A standalone Blackberry connecting to Bloomberg using Mobile Network (WAP)

**Bloomberg**



# Route Tester: Direct WAP

The following screenshots are from a device using Direct WAP to connect to Bloomberg.



## Connectivity Requirements

Either one of the following service books are required for the app to work efficiently on this route:

- **WAP Transport [WAP]:** Contains information that is required to connect to a wireless service provider's WAP 1.x gateway.
- **WAP2 Transport [WPTCP]:** Contains information that is required to connect to a wireless service provider's WAP 2.x gateway.

WAP service must be enabled for the handheld. Your mobile carrier must be able to resolve and connect to the addresses listed below:

DNS Name	Address	Port
mmgwy.blpprofessional.com	160.43.251.179	443
	69.191.247.103	443
mmgwy.bloomberg.net	160.43.251.60	443
	69.191.247.60	443

For maximum service availability, we strongly recommend that clients ensure all addresses are accessible at all times – even if the application appears to function correctly with only one.

In order to reduce the impact of future changes, we recommend allowing access to the following Bloomberg subnets for port 443:

Address	Subnet Mask
160.43.251.0	255.255.255.0
69.191.247.0	255.255.255.0



# Bloomberg BlackBerry Gateway

## Overview

Bloomberg Anywhere for BlackBerry is a suite of Java applications designed for the BlackBerry handheld device that provides access to commonly used functions found on the Bloomberg Anywhere. By utilizing our customer's existing BlackBerry infrastructure, Bloomberg is able to provide data transmissions that are pushed to and/or pulled from the device, resulting in regular message, news, and quote updates. Please see BERR<Go> on your terminal for more information on functionality.

## Minimum Technical Requirements

The Bloomberg for BlackBerry Gateway is designed exclusively for use with Java-enabled BlackBerry devices connecting through a customer-controlled BlackBerry Enterprise Server (BES).

- Windows XP SP3 or later, or Windows Server 2003 or later.
- BlackBerry Enterprise Server (BES) 4.1 or later with Mobile Data Service.
- Java Runtime Environment (JRE) 1.6 (32 bit) installed on the server containing Bloomberg BlackBerry Gateway service.

## Connectivity Requirements

The Bloomberg BlackBerry Gateway installation connects to Bloomberg Mobile Servers (Transaction Server) at the endpoints shown below.

The BES MDS Connection Service ("MDS-CS") will establish connections on behalf of BlackBerry handhelds to the Bloomberg BlackBerry Gateway service running on the customer network. The server running the Bloomberg BlackBerry Gateway must be able to resolve and connect to the addresses listed below:

DNS Name	Address	Port
mmts1.bloomberg.net	160.43.251.122	443
mmts2.bloomberg.net	69.191.247.30	443
mmts1.blpprofessional.com	160.43.251.187	443
mmts2.blpprofessional.com	69.191.247.43	443

For maximum service availability, we strongly recommend that clients ensure all addresses are accessible at all times – even if the application appears to function correctly with only one.



In order to reduce the impact of future changes, we recommend allowing access to the following Bloomberg subnets for port 443:

Address	Subnet Mask
160.43.251.0	255.255.255.0
69.191.247.0	255.255.255.0

The device needs to be able to connect to the Bloomberg BlackBerry Gateway on port 4444. It needs to be able to listen for pushes on port 4545. The gateway needs to be able to send pushes to the MDS-CS on its web listen port.

The Web Listen Port needs to be specified during Bloomberg BlackBerry Gateway Setup. (The Web Listen Port for BES is typically set to 8080, but in rare cases may be 8300 or different)

**NOTE:** connection cannot be made through the dedicated lines (private network) that service the Bloomberg terminals.



## Pre-Installation Checks

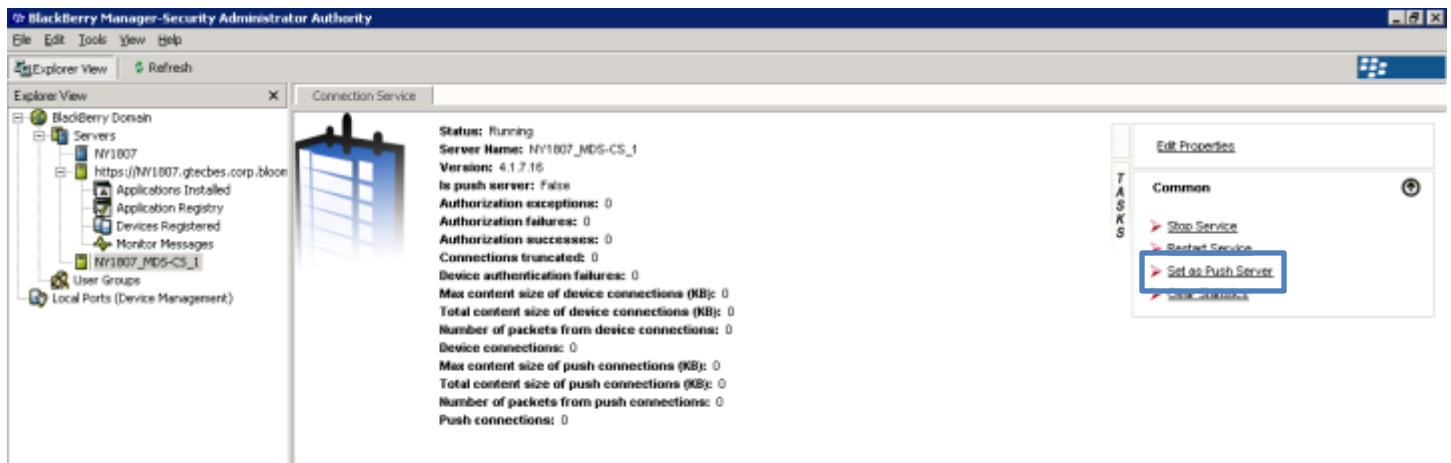
### Central push server in BES 4.1

The administrator can specify one or more BlackBerry MDS Connection Service in a BlackBerry Domain as the central push server. The central push server receives content push requests from server-side applications that are located on an application server, on a web server, or in a database. It also manages push requests and sends application data and application updates to Bloomberg application on BlackBerry devices.

### Specify a BlackBerry MDS Connection Service as a central push server

Only one BlackBerry MDS Connection Service in your organization's BlackBerry Domain can be specified as the central push server. When you specify a BlackBerry MDS Connection Service as the central push server, any other BlackBerry MDS Connection Service specified as the central push server in your organization's BlackBerry Domain has the designation removed.

1. In the BlackBerry Manager, in the left pane, click a *BlackBerry MDS Connection Service*.
2. On the Connection Service tab, click *Common*.
3. Click *Set as Push Server*.



4. If you have the BlackBerry MDS Integration Service installed, verify that the central push server appears in the list of BlackBerry MDS Connection Service instances that are available to the BlackBerry MDS Integration Service.

You can configure multiple instances of the BlackBerry Enterprise Server in your organization's BlackBerry Domain to use the BlackBerry MDS Connection Service that you defined as the central push server.



## Central push server in BES 5.0

If a BlackBerry Domain includes one BlackBerry MDS Connection Service that is version 5.0 or later, by default, then that BlackBerry MDS Connection Service is the central push server.

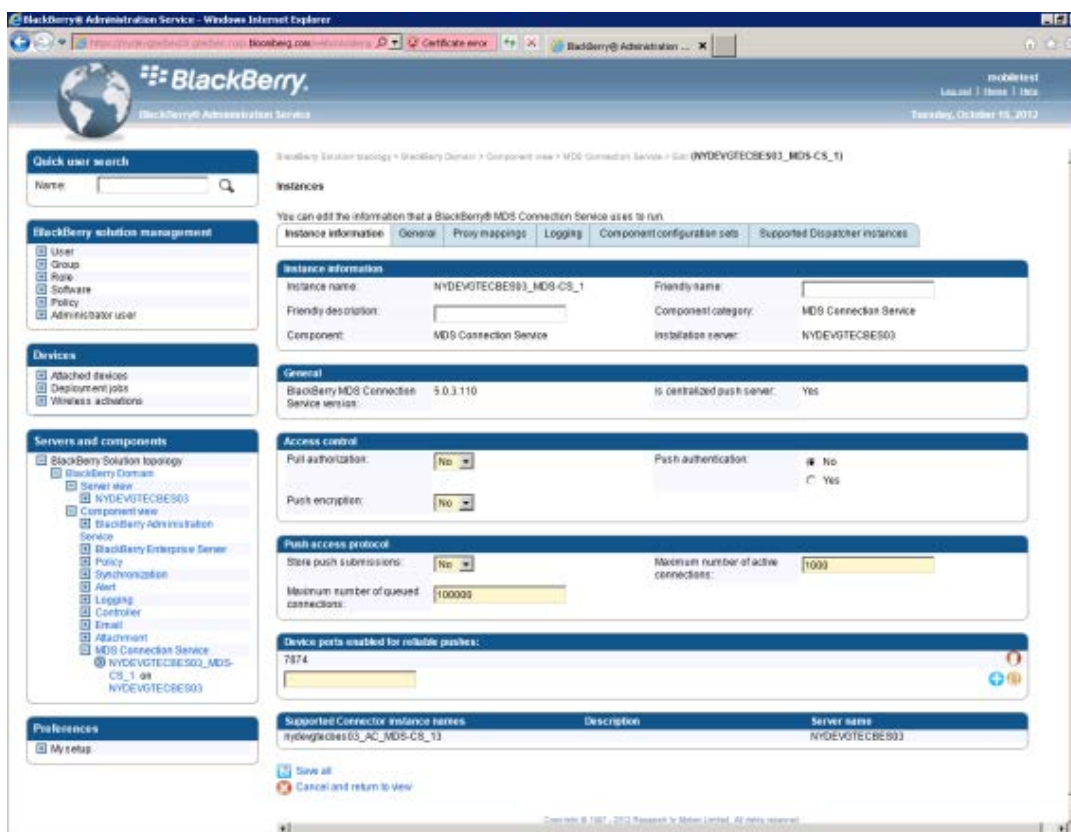
If two BlackBerry MDS Connection Service instances (that are version 5.0 or later) exist in a BlackBerry Domain, by default, both instances are central push servers.

If more than two BlackBerry MDS Connection Service instances (that are version 5.0 or later) exist in a BlackBerry Domain, the first two instances that start are central push servers.

You can configure any BlackBerry MDS Connection Service in your organization's BlackBerry Domain to act as a central push server. If a BlackBerry MDS Connection Service in your organization's environment is earlier than version 5.0, it is not designated as a central push server automatically when it starts.

## Specify a BlackBerry MDS Connection Service as a central push server

1. In the BlackBerry Administration Service, in the Servers and components menu, expand BlackBerry Solution topology > BlackBerry Domain > Component view > MDS Connection Service.
2. Click the instance that you want to change.
3. Click *Edit instance*.
4. In the General section, in the Is centralized push server drop-down list, click Yes.
5. Click *Save all*.

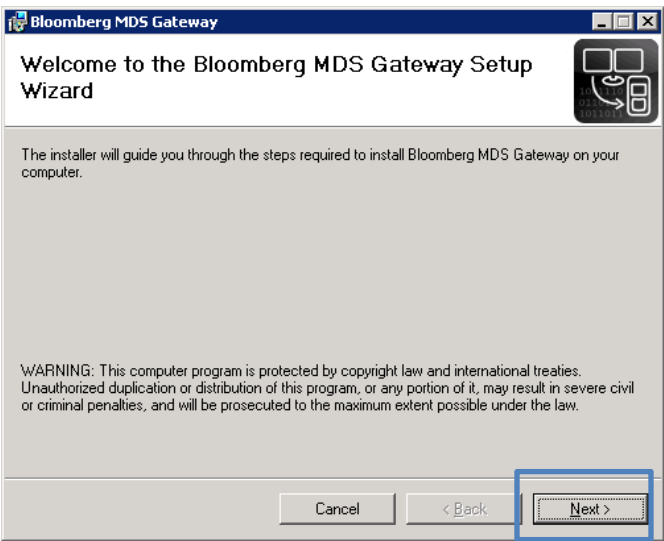


Installation Walk Through

The Bloomberg BlackBerry Gateway component of the Bloomberg Anywhere for BlackBerry installation can be installed on a customer’s BlackBerry Enterprise Server (BES) or on machine which is able to reach the BlackBerry Enterprise Server (BES). Installation requires guidance from Bloomberg Technical Support.

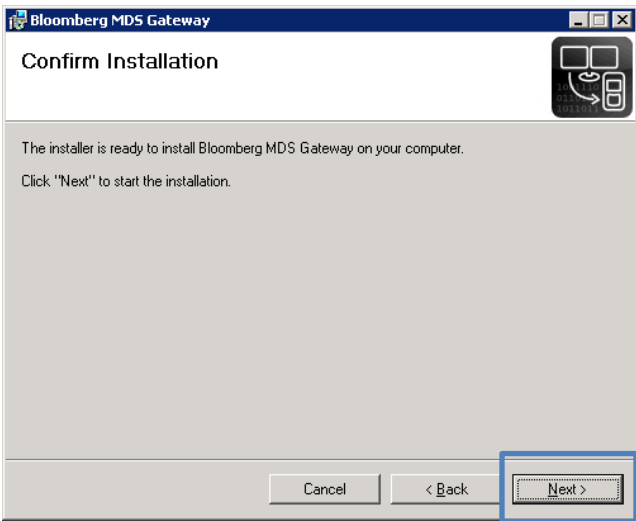
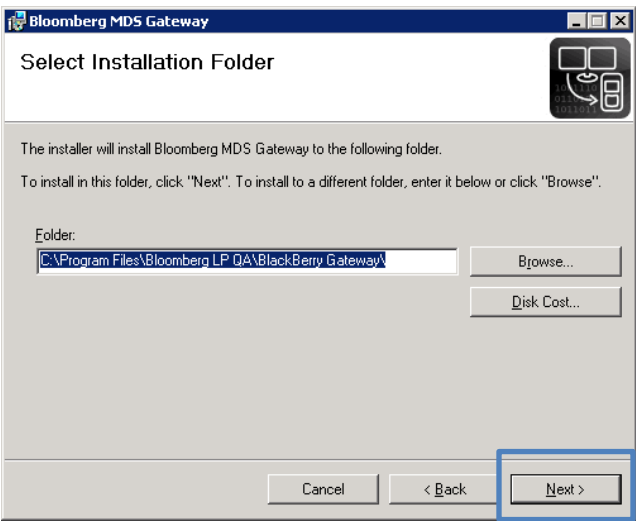
The Bloomberg Anywhere for BlackBerry solution retrieves data from the Bloomberg network via the Internet using port 443 (SSL) and not through the dedicated circuits that serve as the data connection for customer terminals. The administrator will be provided with a unique password which is to be entered during the installation procedure.

The installation process will begin with the following screen:

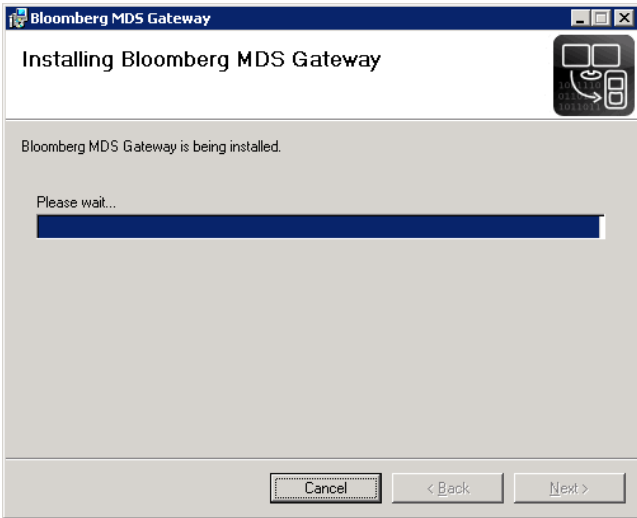


Click *Next* and continue with the installation.

The next dialogue prompts the selection of the directory to which the software will be installed. Customers are strongly encouraged to accept the default path.



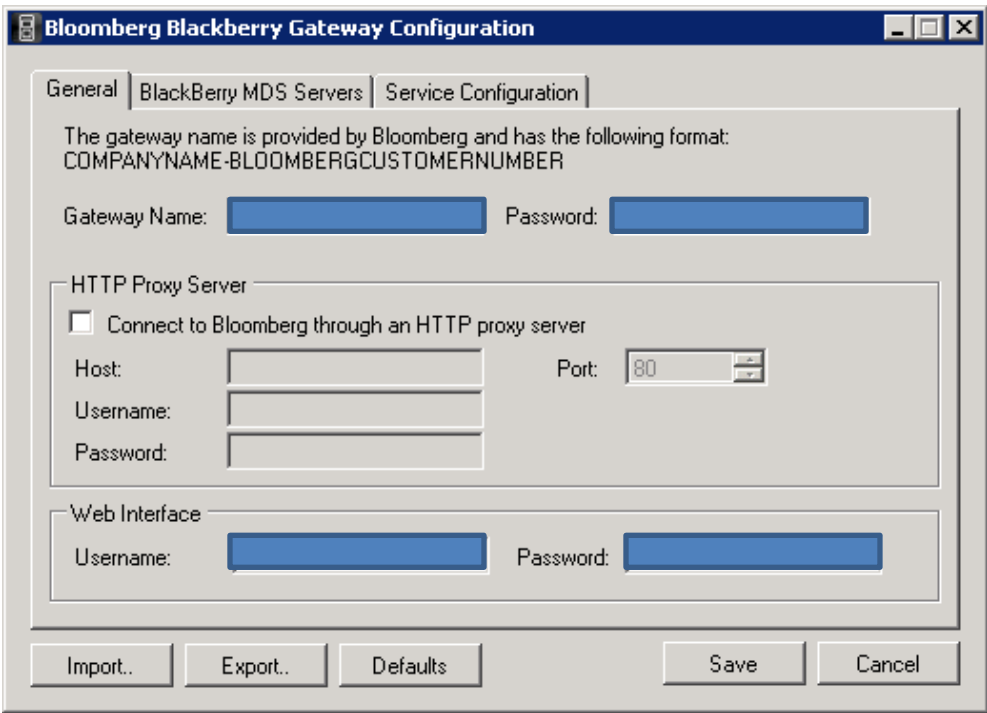




Next, fill in the Gateway Name and the Password fields with the provided information.

**NOTE:** the same name and password cannot be used on another instance.

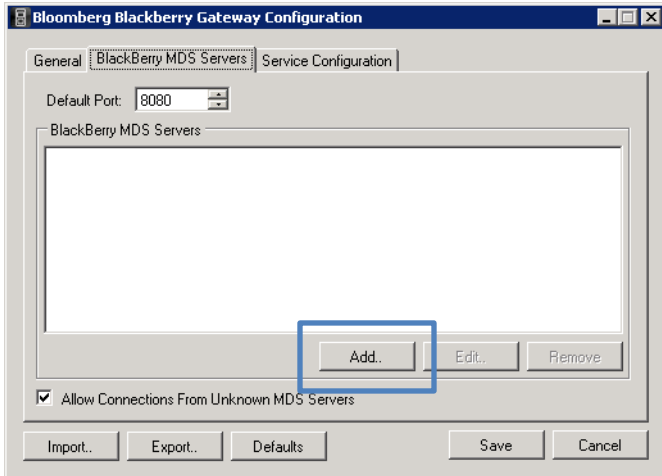
The password field is used with SSL to authenticate the connection to our Transaction Server. If connecting through a proxy, then the Address and Port have to be entered accordingly.



Ensure all entries are correct and that any network infrastructure issues with firewalls and proxies have been addressed. Confirm that Port 443 (SSL) is enabled for outbound transmission on your own firewall.

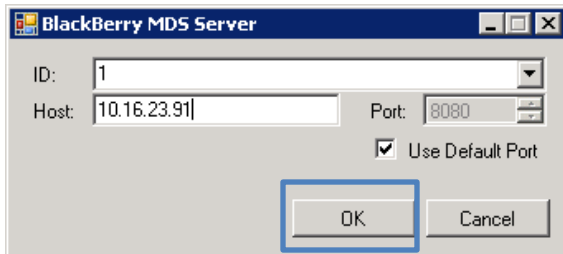


Customers may have multiple Blackberry Enterprise Servers and **all** push connections to the handheld are made via the **Primary BES/MDS Push Server**. If the Bloomberg MDS Gateway software is installed on a server different from where the BES software resides, it is necessary to provide the IP address or Hostname of the primary BES/MDS server in order to direct communication to the BES. Multiple BES/MDS Servers may be added and tested through the following screens.



For each BES/MDS with devices registered that will use Bloomberg for Blackberry repeat the following steps:

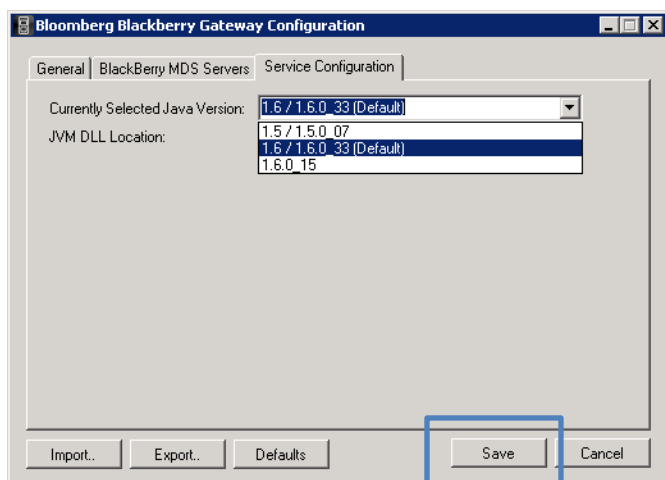
1. Click the *Add* button.



2. Enter Hostname. If Port needs to be different from the Default 8080, un-tick the *Use Default Port* tick and change the Port accordingly.
3. Click on *OK* to save to the list.



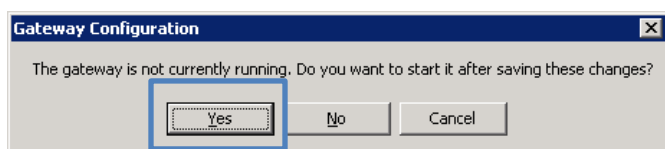
The installer will also detect the version of Java installed on your machine.  
As per minimum requirement we advise to use version 1.6.



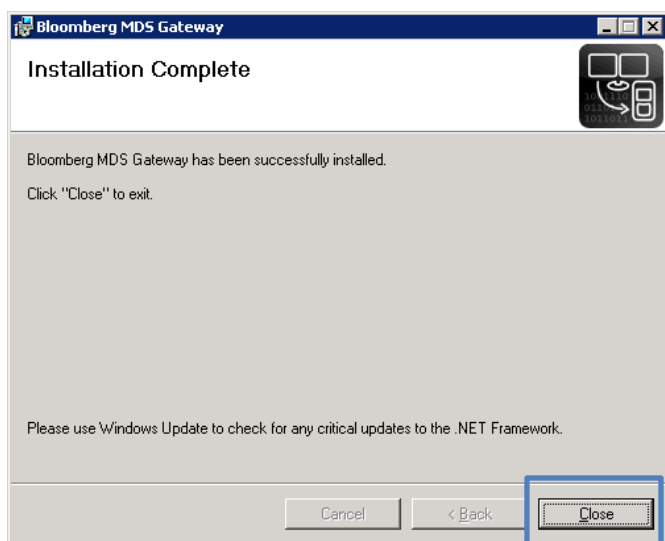
Click on *Save* and the configuration will be saved.

The system will also ask if the service needs to be started before closing the installer.

Click on *Yes* to start the service.



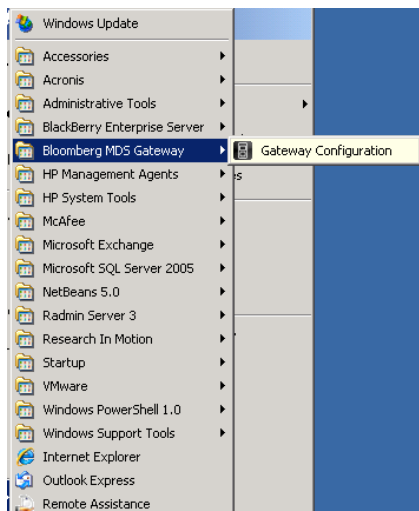
Installation is now completed. Click *Close*.



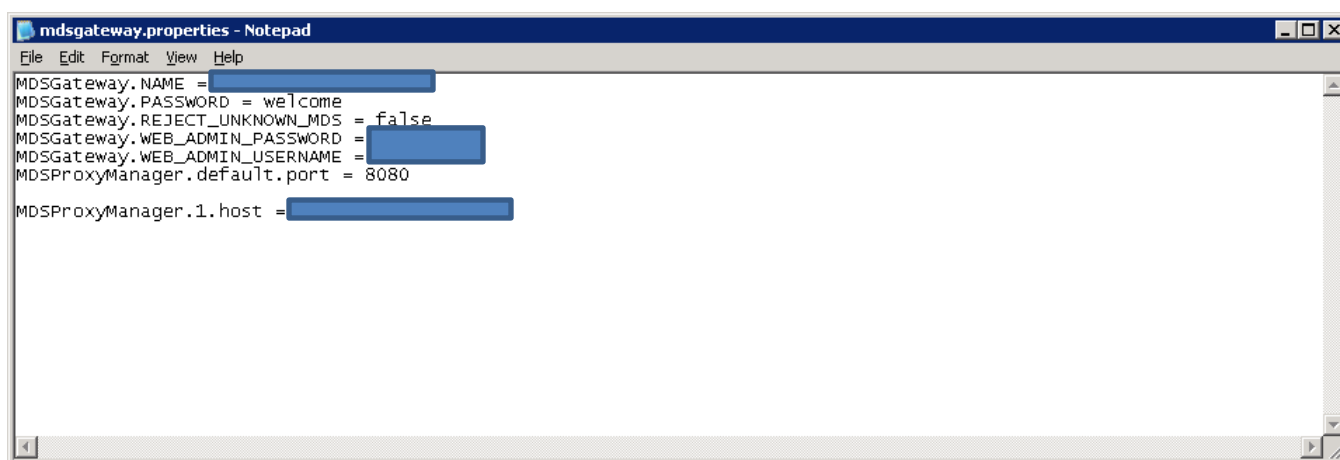
## Modification of Gateway Settings

Should any of the settings require modification in the future, please follow the below steps:

1. Navigate to Start > Bloomberg BlackBerry Gateway > Gateway Configuration



2. Also, you can navigate to the installation directory. The 'config' folder contains the file with the settings you entered into the wizard. Simply modify the 'mdsgateway.properties' file, save it and stop and start the Bloomberg BlackBerry Gateway service. The SAMPLE image above and below show the mdsgateway.properties file with client details required to establish a valid connection with the BES/MDS server as well as the Bloomberg Transaction server.

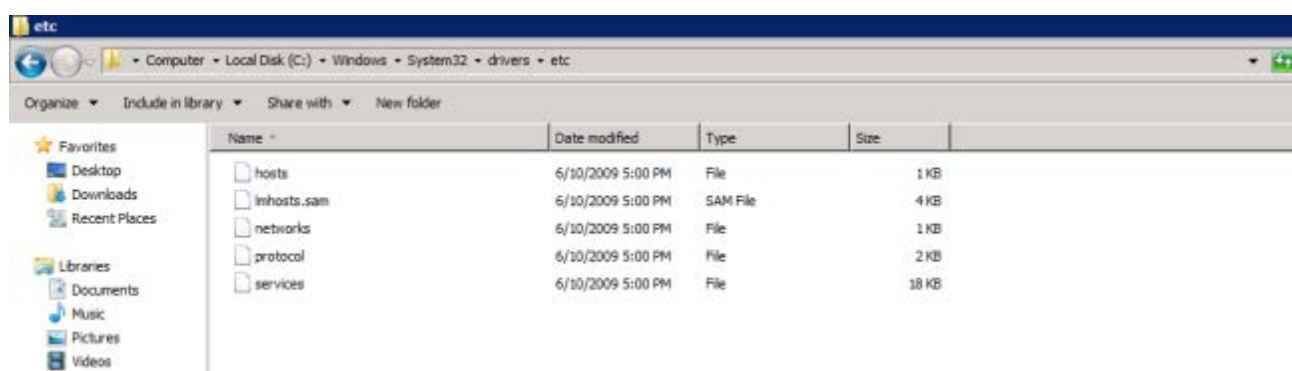


## Configuring Connectivity from the Application

By default, the Bloomberg Anywhere for BlackBerry software will attempt to connect to the Bloomberg BlackBerry Gateway at the address *bloombergmds:4444*. You have two options in order to enable this connection:

1. Make this address resolve to a valid Bloomberg BlackBerry Gateway (for example by editing the hosts file in C:\Windows\System32\drivers\etc or setting up a domain name in your internal DNS).
2. Changing the address that the software attempts to connect to using the *Bloomberg.Transport.DefaultGateway* Custom IT Policy Rule. Please see the section of this guide on Custom IT Policy Rules for more information.

An example of editing the hosts file is shown below:



Host File without the entry

```

hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97       rhino.acme.com          # source server
#       38.25.63.10       x.acme.com             # x client host
#
# localhost name resolution is handled within DNS itself.
#
#       127.0.0.1         localhost
#       ::1               localhost

```

Host File with the entry

```

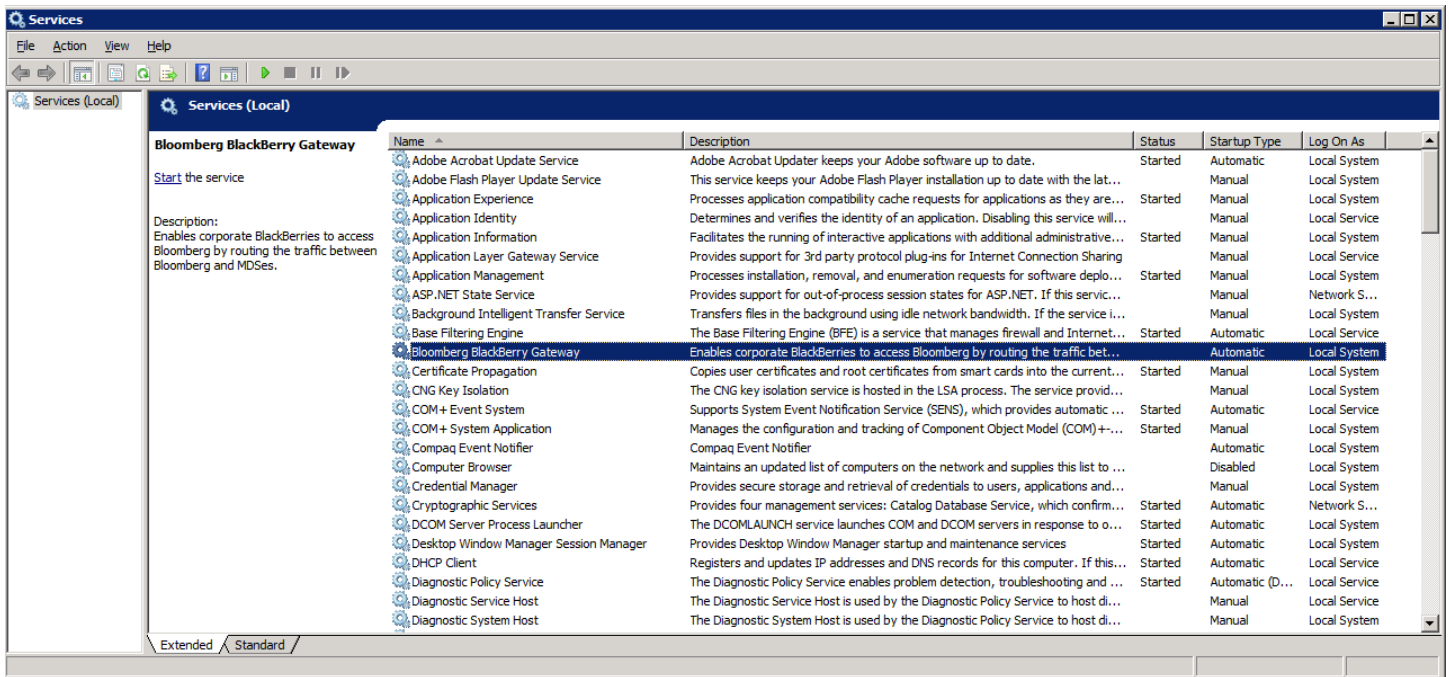
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97       rhino.acme.com          # source server
#       38.25.63.10       x.acme.com             # x client host
#
# localhost name resolution is handled within DNS itself.
#
#       127.0.0.1         localhost
#       ::1               localhost
#       192.168.1.1       bloombergmds

```

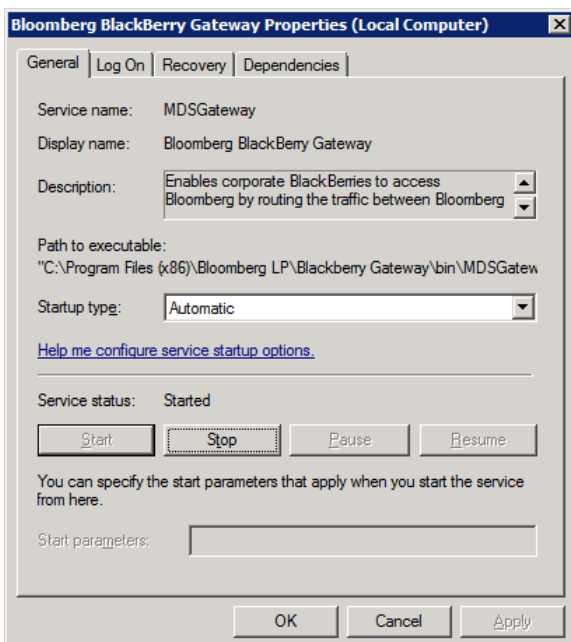


## Bloomberg BlackBerry Gateway Service

The last step in the installation of the Bloomberg BlackBerry Gateway is to check if the Bloomberg BlackBerry Gateway service is running as illustrated below.



Launch the services manager from the Control Panel. Double click the Bloomberg BlackBerry Gateway service. This will launch the properties dialog box. Verify the startup type is set to Automatic and start the service.

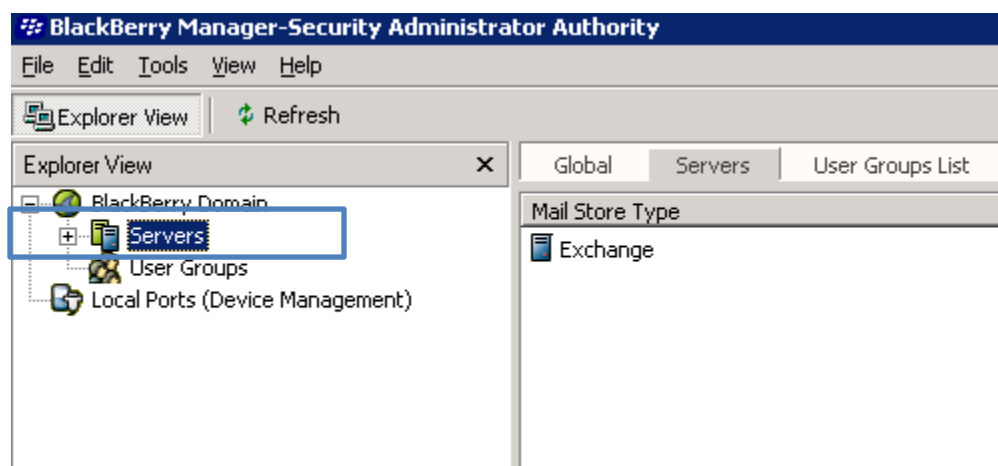


## Bloomberg on Blackberry Enterprise Server 4

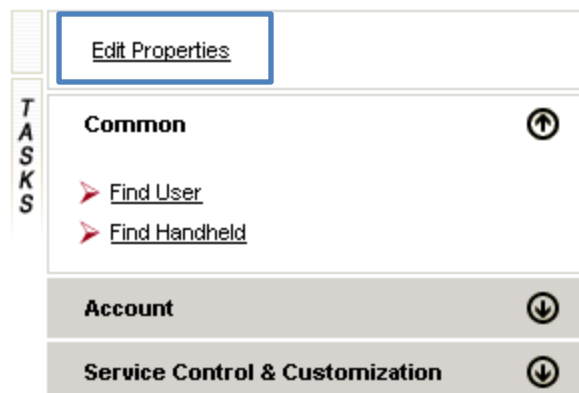
### Creating Bloomberg IT Policy in BlackBerry Enterprise Server 4.1

Complete the following steps:

1. In BlackBerry Manager, click *Servers* and then click on the *Global* tab.

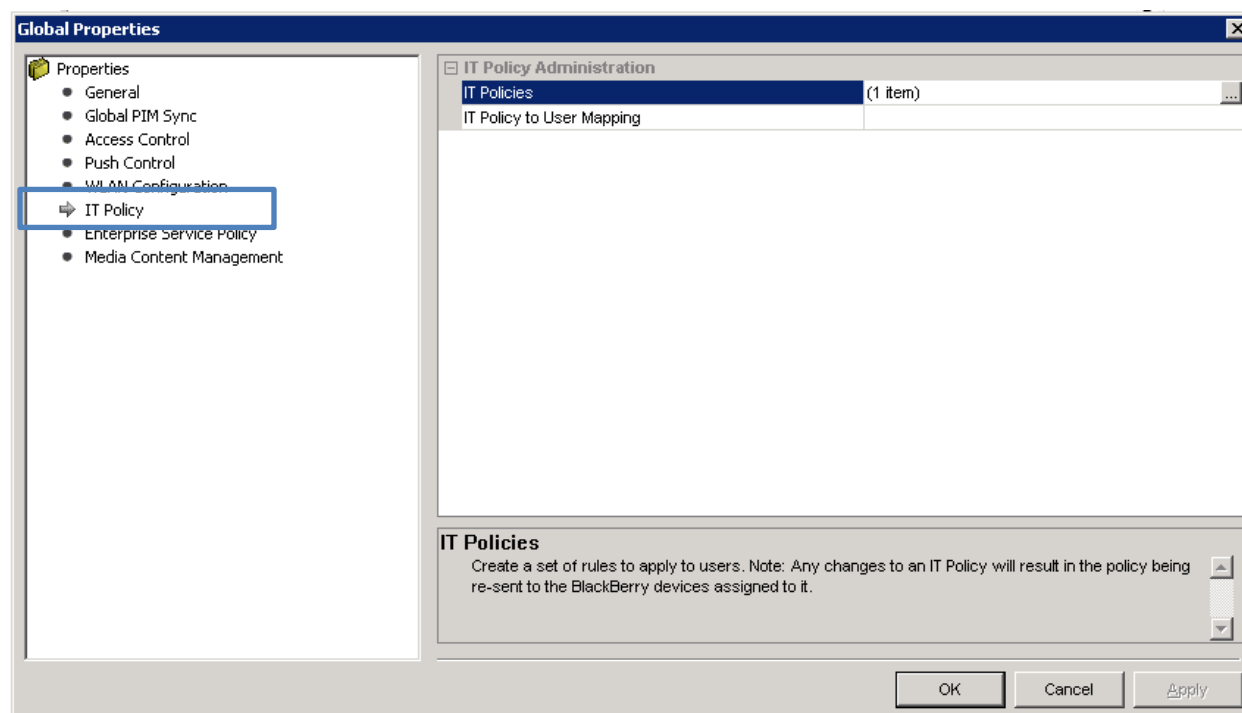


2. From the Tasks menu, click *Edit Properties*.

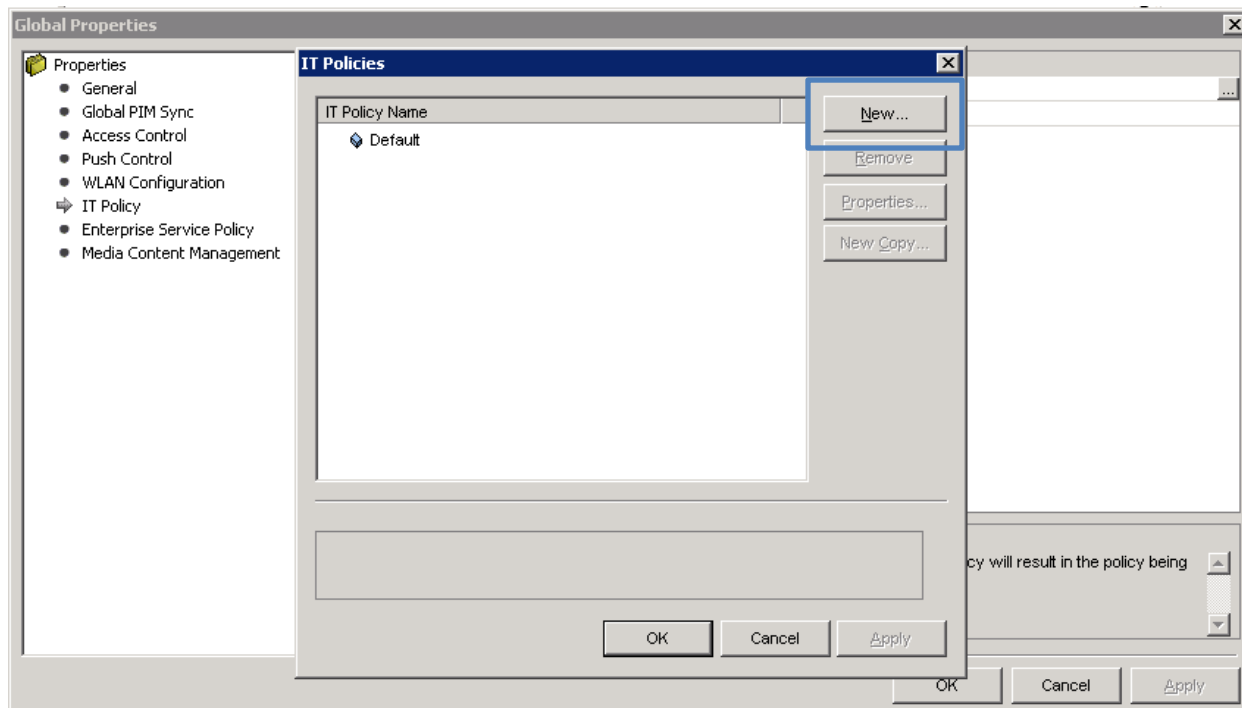


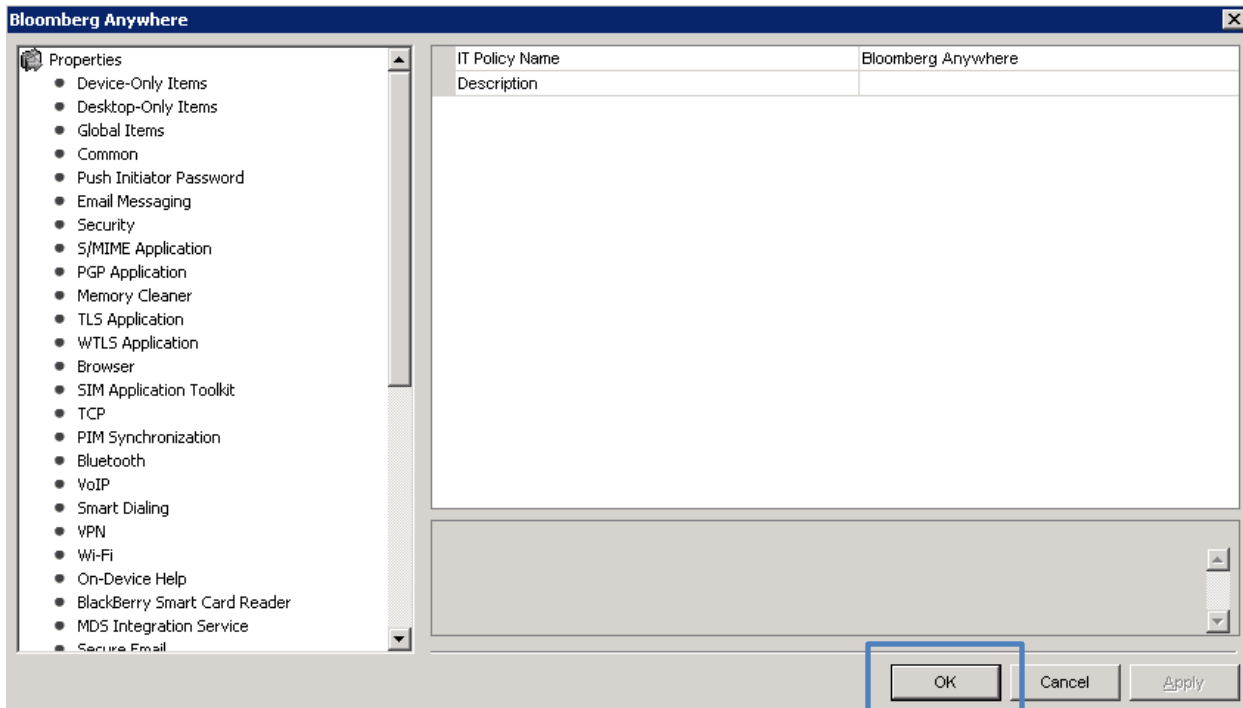


3. Click on *IT Policy* and then double-click on *IT Policies*.



4. Click on *New*, and create a name for the IT policy.



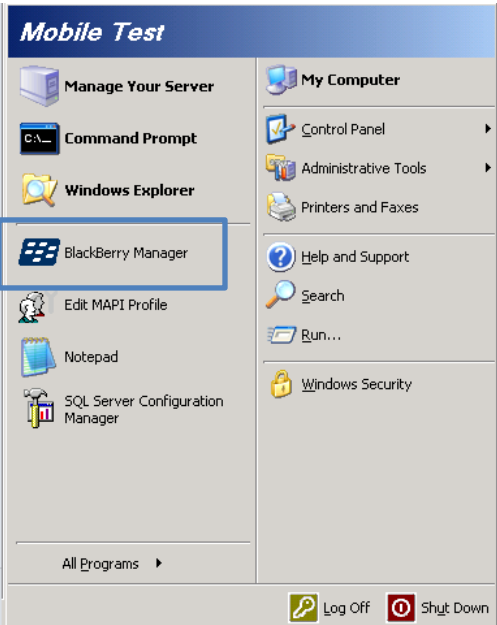


5. Select an IT policy group to view the associated IT policy rules.
6. Select the appropriate IT policy rules.
7. Click Apply and then click *OK*.

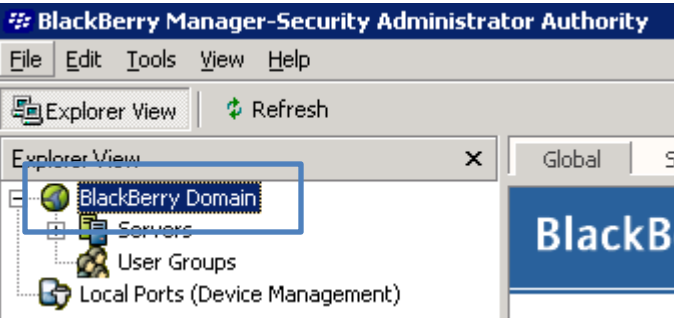


# Creating Bloomberg IT Policy Rules in BlackBerry Enterprise Server 4.1

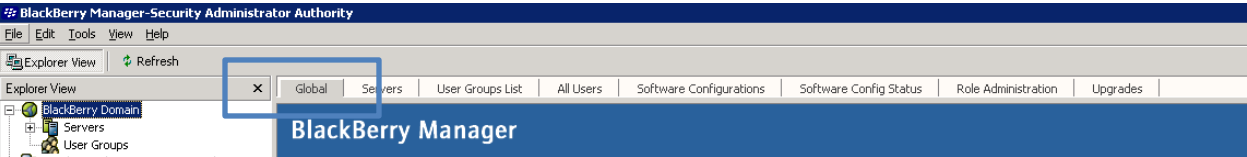
1. Open *BlackBerry Manager*.



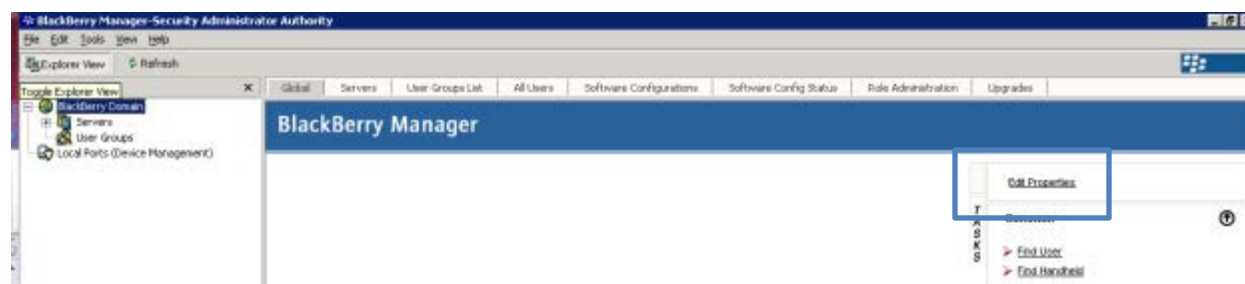
2. Click on *BlackBerry Domain*.



3. Click on the *Global* tab.

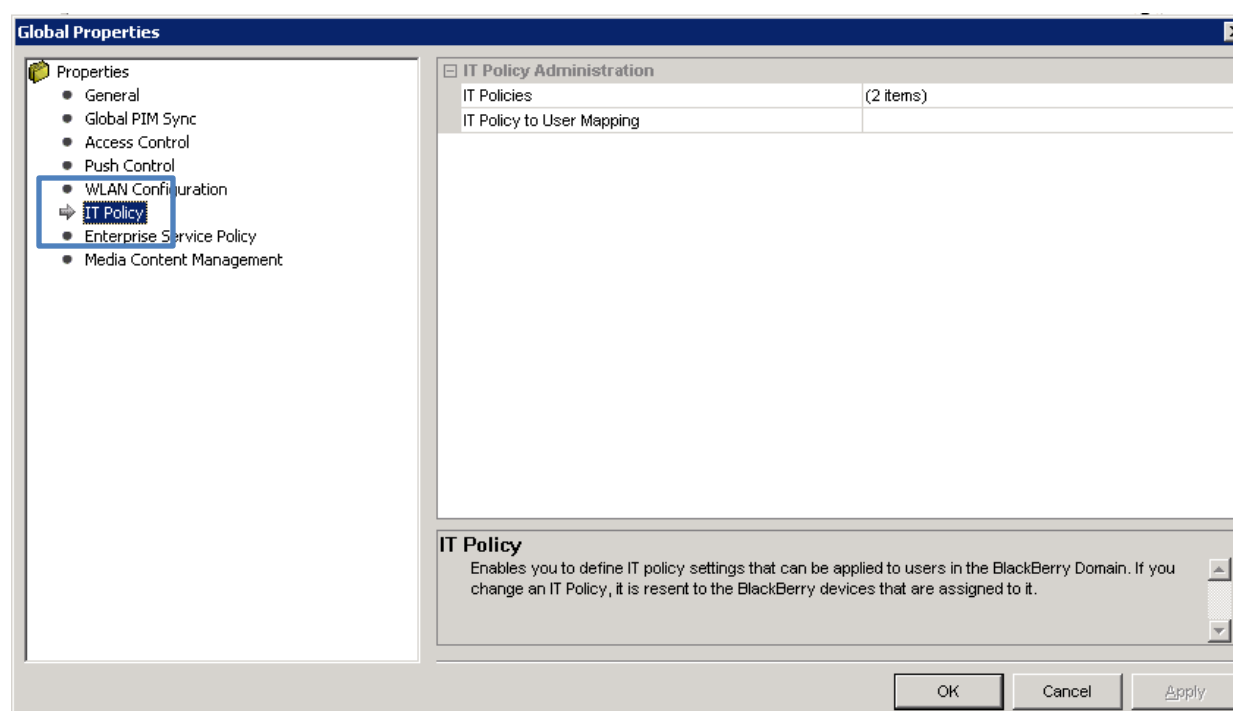


4. Click *Edit Properties*.

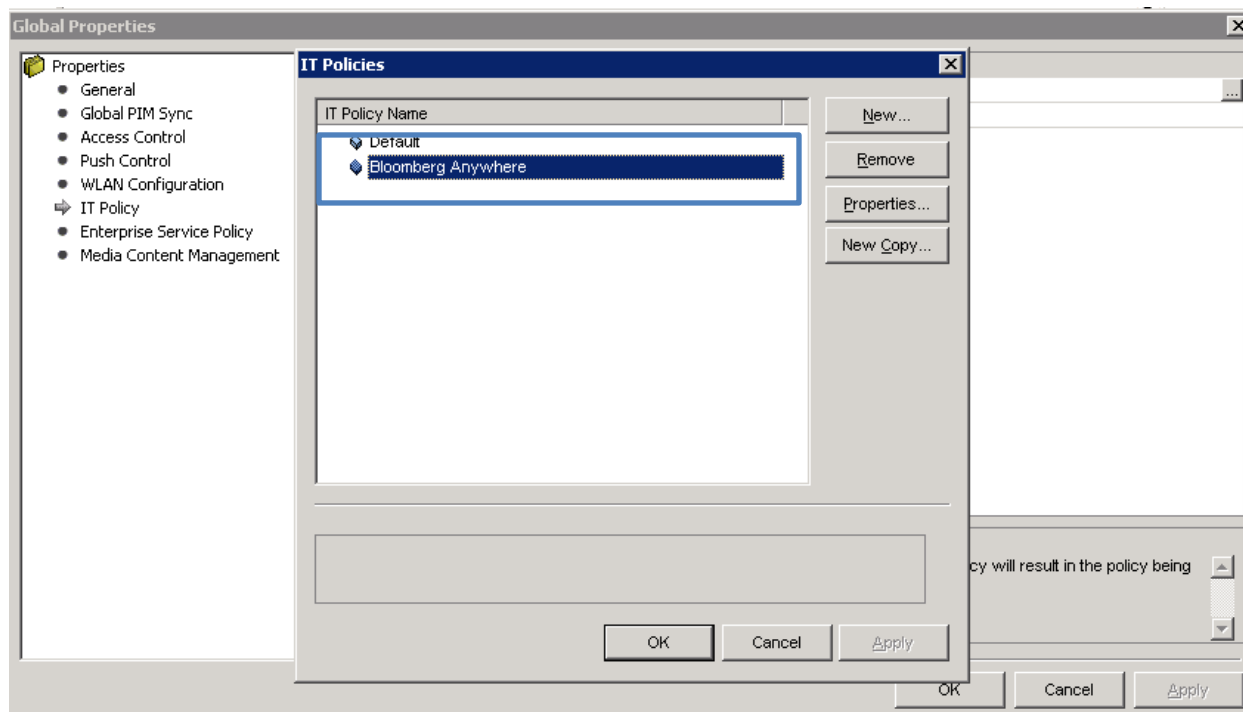


5. Click *IT Policy*.

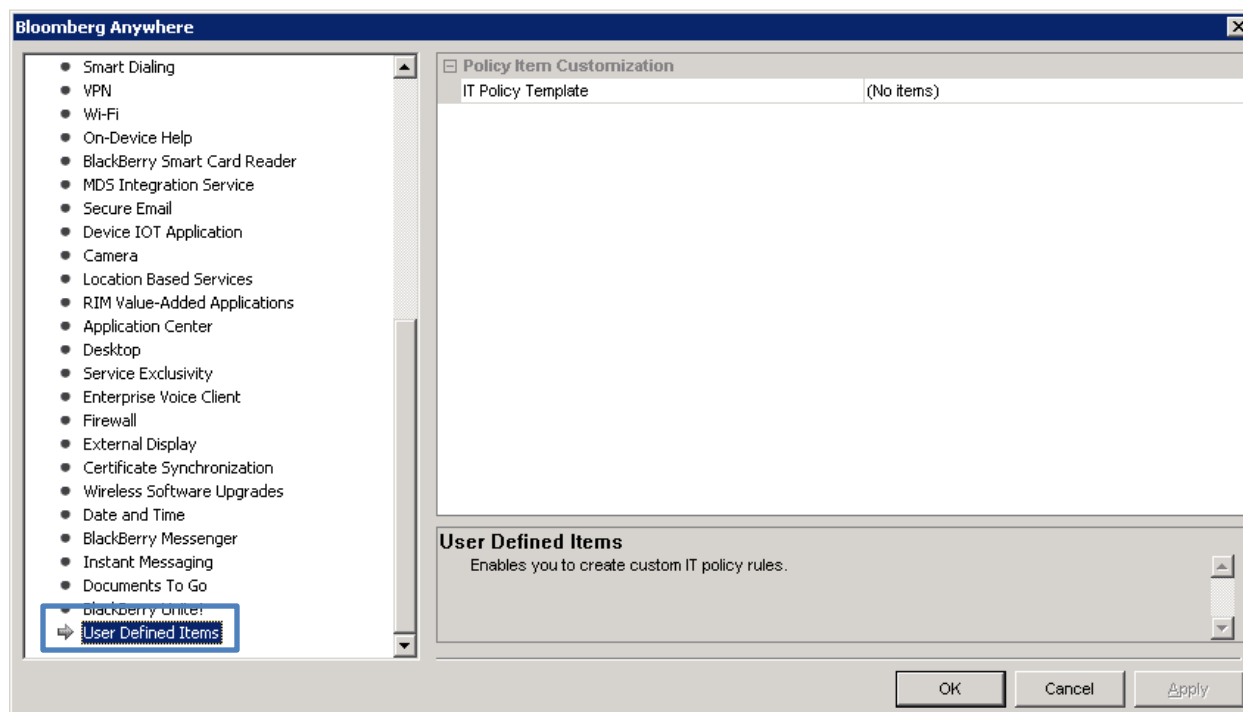
6. Under IT Policy Administration, click the box beside the value for IT policies.



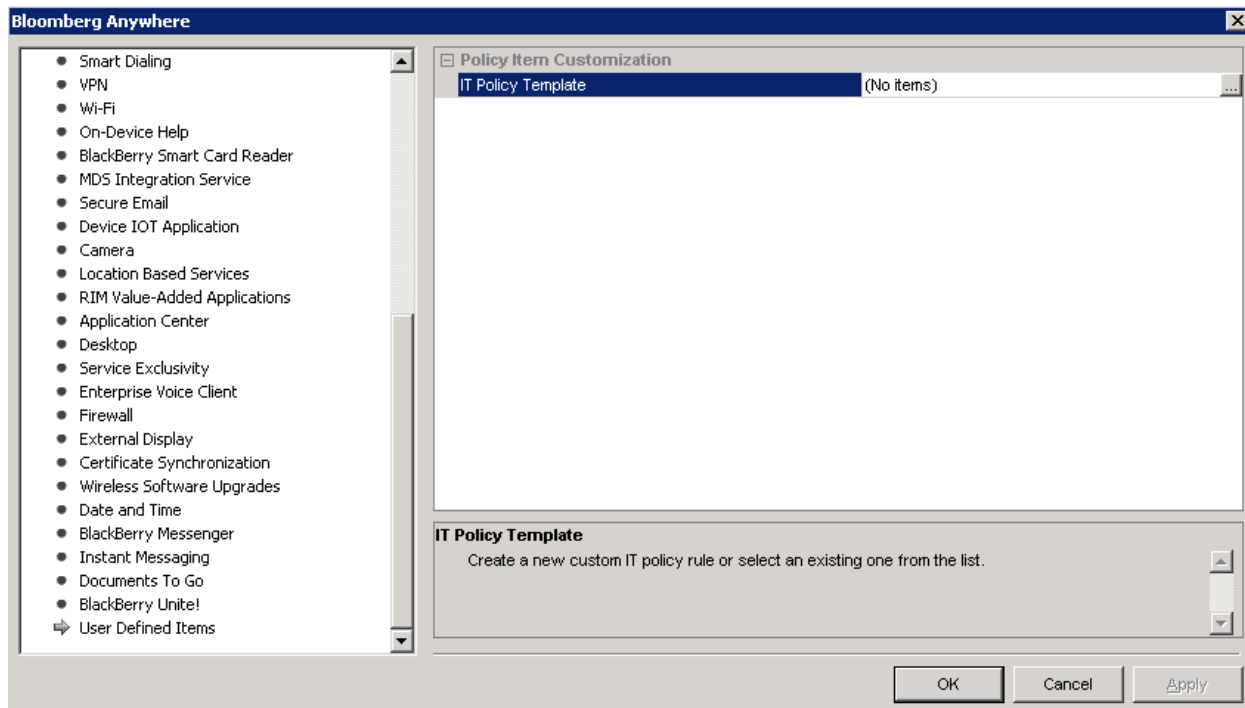
7. Double-click the desired IT policy name.



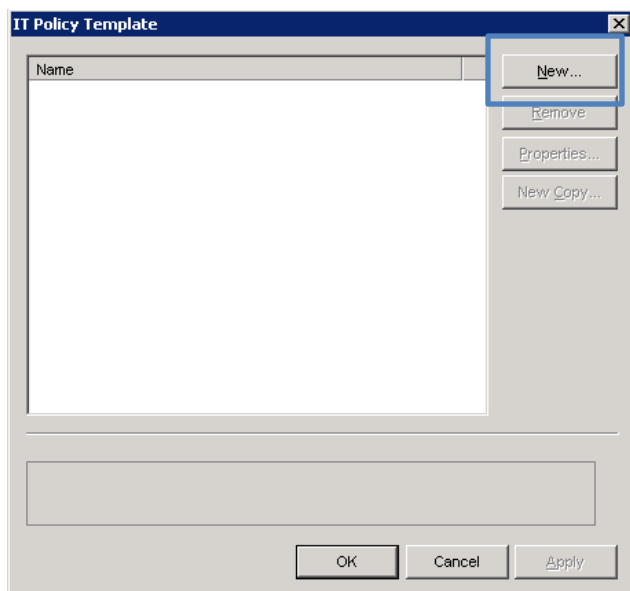
8. Scroll to the bottom and select *User Defined Items*.



9. Click the box beside the value for IT Policy Template.



10. Click the *New* button.



11.Fill in Name, Description, Type, Destination, Minimum Value, Maximum Value, and Data values.

Name	Bloomberg.Transport.DefaultGateway
Description	The DNS name of the server running Bloomberg
Type	String
Destination	Handheld
Minimum Value	0
Maximum Value	0
<b>Data</b>	
Bit 0 Name	
Bit 1 Name	
Bit 2 Name	
Bit 3 Name	
Bit 4 Name	
Bit 5 Name	
Bit 6 Name	
Bit 7 Name	

**Description**  
Set the description of the rule.

OK Cancel Apply

12.Click OK when finished.

IT Policy Template

Name: Bloomberg.Transport.DefaultGateway

New... Remove Properties... New Copy...

IT Policy Template

Name: Bloomberg.Transport.DefaultGateway, Bloomberg.Transport.DefaultBackupGateway, Bloomberg.Transport.HttpProxy, Bloomberg.Transport.HttpProxyUsername, Bloomberg.Transport.HttpProxyPassword, Bloomberg.Transport.DefaultPushPort, Bloomberg.Security.UiLockTimeout, Bloomberg.Transport.AllowRoutesByDefault, Bloomberg.Transport.AllowRoute.GW, Bloomberg.Transport.AllowRoute.MDS, Bloomberg.Transport.AllowRoute.BIS, Bloomberg.Transport.AllowRoute.Direct.WiFi, Bloomberg.Transport.AllowRoute.Direct.TCP, Bloomberg.Transport.AllowRoute.Direct.WAP

New... Remove Properties... New Copy...

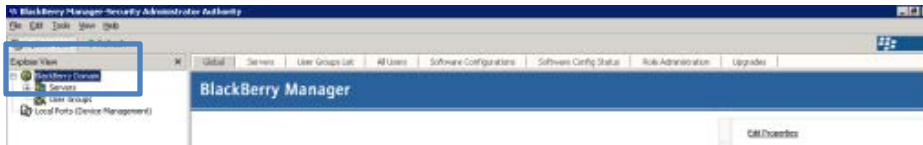
OK Cancel Apply



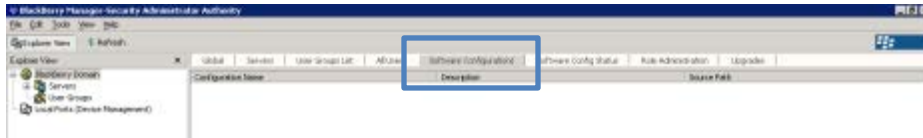


## Creating Bloomberg Software Configuration in BlackBerry Enterprise Server 4.1

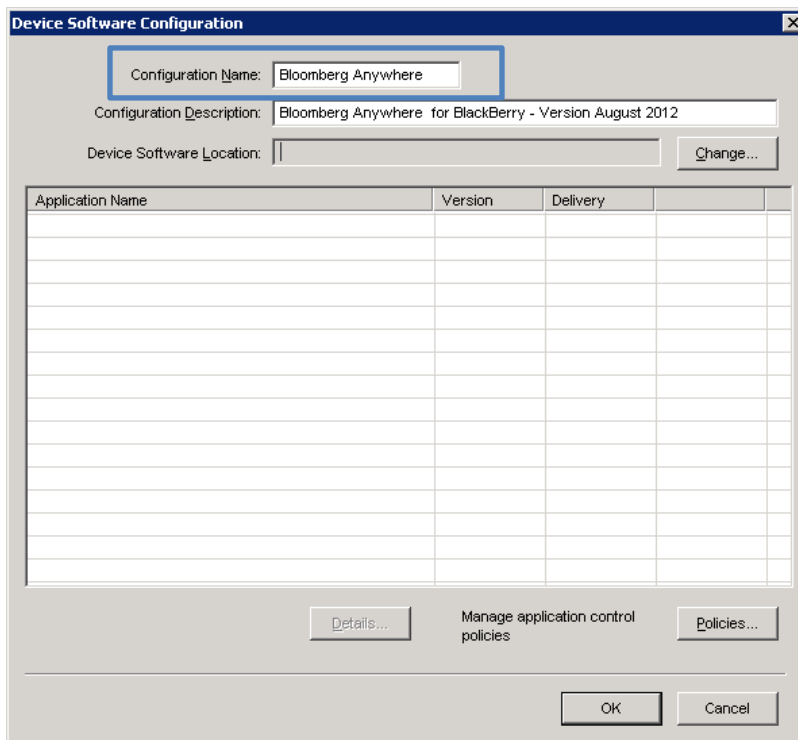
1. Click on the *BlackBerry Domain*.



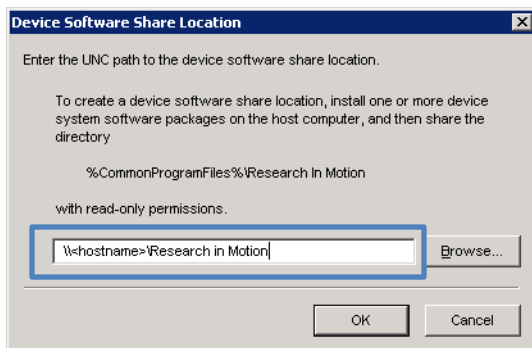
2. Click on the *Software Configuration* tab.



3. Click *Add New Configuration* and give the configuration a name.



4. Select the software location of the Files and press *OK*.



5. BES will automatically detect the software version and display on the screen.

[illegible]

6. Select the appropriate delivery method and application control policy.

[illegible]




















































## OS-Specific .Cod Files

BlackBerry OS 4.6 is the minimum required for Bloomberg Anywhere for BlackBerry.

Historically all OS-specific code was encapsulated in one .cod file (com\_bloomberg\_osapi.cod) which contained the necessary hooks allowing the application to utilize new API (and therefore new features) as they were added to the BlackBerry OS. The majority of the application .cod files were the same across all OS revisions.

The exception to this is BlackBerry OS 4.7, which introduced support for touch input – necessitating a large number of small changes throughout the application. As a result, all.zip currently contains a complete set of all.cod files for OS 4.6 (in the root directory), OS 4.7 (in the 4.7 directory), and a specific com\_bloomberg\_osapi.cod in the 5.0 and 6.0 directories.

Name	Type
 com_bloomberg_alrt.cod	COD File
 com_bloomberg_appframe.cod	COD File
 com_bloomberg_bblib.cod	COD File
 com_bloomberg_bbuilib.cod	COD File
 com_bloomberg_blaw.cod	COD File
 com_bloomberg_blawjsonlib.cod	COD File
 com_bloomberg_blawlib.cod	COD File
 com_bloomberg_chart.cod	COD File
 com_bloomberg_citator.cod	COD File
 com_bloomberg_dine.cod	COD File
 com_bloomberg_eco.cod	COD File
 com_bloomberg_ems.cod	COD File
 com_bloomberg_evts.cod	COD File
 com_bloomberg_fly.cod	COD File
 com_bloomberg_ib.cod	COD File
 com_bloomberg_launcher.cod	COD File
 com_bloomberg_mkt.cod	COD File
 com_bloomberg_monitor.cod	COD File
 com_bloomberg_msg.cod	COD File
 com_bloomberg_multimedia.cod	COD File
 com_bloomberg_osapi.cod	COD File

Name	Type
 4.7	File folder
 5.0	File folder
 6.0	File folder
 all.alx	ALX File
 all.jad	JAD File
 all-for-software-configuration.alx	ALX File
 com_bloomberg_alrt.cod	COD File
 com_bloomberg_appframe.cod	COD File
 com_bloomberg_bblib.cod	COD File
 com_bloomberg_bbuilib.cod	COD File
 com_bloomberg_blaw.cod	COD File
 com_bloomberg_blawjsonlib.cod	COD File
 com_bloomberg_blawlib.cod	COD File
 com_bloomberg_chart.cod	COD File
 com_bloomberg_citator.cod	COD File
 com_bloomberg_dine.cod	COD File
 com_bloomberg_eco.cod	COD File
 com_bloomberg_ems.cod	COD File
 com_bloomberg_evts.cod	COD File
 com_bloomberg_fly.cod	COD File
 com_bloomberg_ib.cod	COD File
 com_bloomberg_launcher.cod	COD File
 com_bloomberg_mkt.cod	COD File
 com_bloomberg_monitor.cod	COD File
 com_bloomberg_msg.cod	COD File
 com_bloomberg_multimedia.cod	COD File
 com_bloomberg_osapi.cod	COD File
 com_bloomberg_people.cod	COD File



The all.alx file contains rules which state which .cod file should be installed depending on the handset OS revision (for use when installing with the BlackBerry Desktop Manager). Unfortunately, these rules are not compatible with BES 4.x, and so when deploying (or white-listing) via BES policy it is necessary to use the all-for-software-configuration .alx file to create a software configuration.

This file refers to only a single version of each .cod file (in the root directory).

```
com_bloomberg_eco.cod
com_bloomberg_appframe.cod
com_bloomberg_evts.cod
com_bloomberg_tklib.cod
com_bloomberg_citator.cod
com_bloomberg_viewlib.cod
com_bloomberg_personalmonitors.cod
com_bloomberg_osapi.cod
</files>
</fileset>
</application>
```

If the minimum deployment target in your environment is greater than OS 4.6, you may wish to copy a higher version of the .cod files into the root directory (overwriting the existing ones) before indexing all-for-software-configuration.alx and creating the list of allowed .cod files under Software Configuration. For example, if all your handsets are OS 5.0 and above, you should first copy all the .cod files from the 4.7 directory to the root, then overwrite the com\_bloomberg\_osapi.cod with the version from the 5.0 directory. This will ensure you are deploying the Bloomberg Anywhere for BlackBerry application with support for features which are only present in later OS.

It is possible to manually create software configurations for each of the major BlackBerry OS releases (4.6, 4.7, 5.0, 6.0) and deploy them to the appropriate subsets of users, but this incurs significant extra administration overhead.

Note that if you deploy earlier .cod files to a device with a later OS (e.g. the Bloomberg Anywhere for BlackBerry .cod files for OS 4.6 on an OS 5.0 device), the Bloomberg Anywhere for BlackBerry auto-updater may prompt your users to install versions of the .cod files which are a better match for the device's OS. This may be undesirable, as those other .cod files will not be white-listed and installation attempts may fail or render the device unusable. In this case, you can control the behavior of the updater using custom IT policy rules – either to disable the updater entirely, or to specify the version of the OS-specific .cod files which should be used (e.g. Bloomberg.Updater.OSAPI.OsVersion=4.6). Please see *Custom IT Policy Rules Reference* for more information.

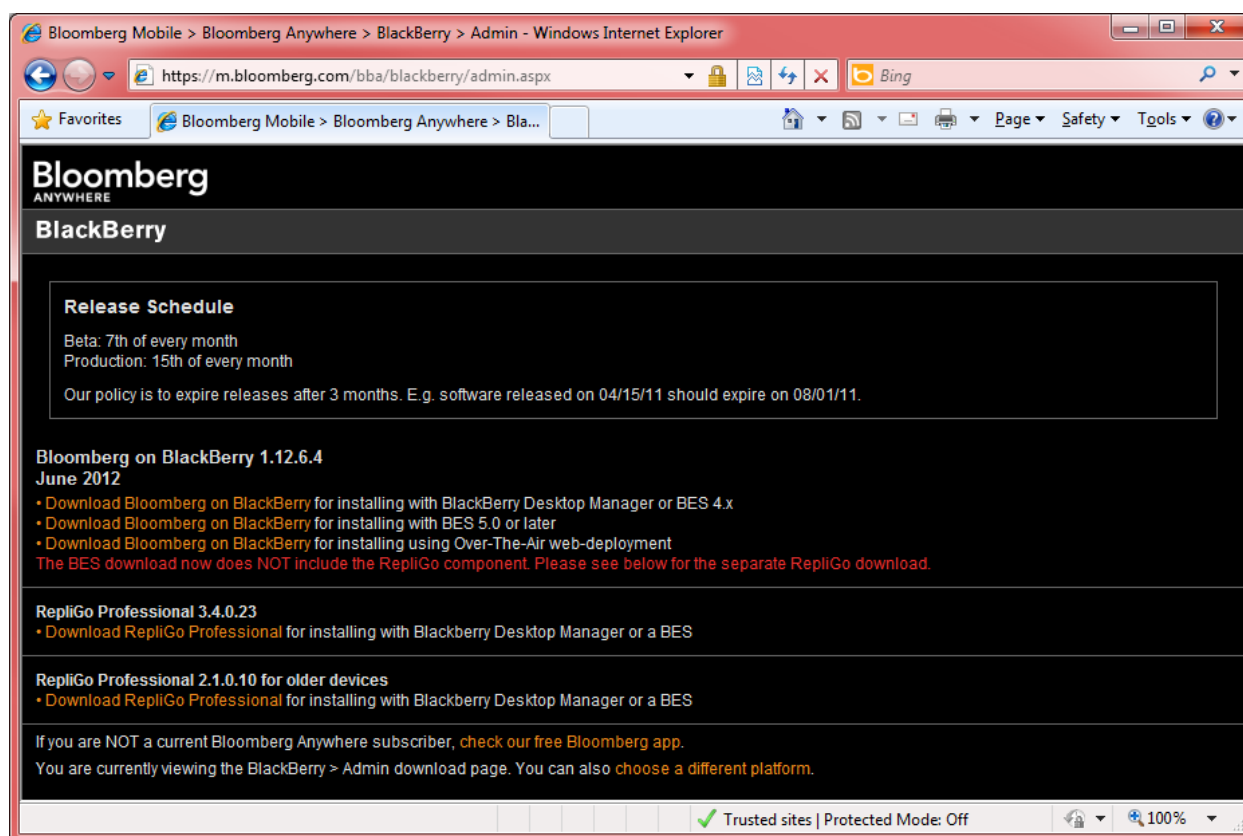
Note that BES 5.0 and later will correctly deploy the right .cod files based on the rules in the all.alx file, and so any manual selection of .cod files is only necessary on BES 4.x.



## Bloomberg on BlackBerry Enterprise Server 5

To send a Bloomberg Application to BlackBerry devices, the BES admin must download the .zip file that contains the necessary application files and an .alx file that contains information about the application.

For more information about getting Bloomberg Applications and .alx files, visit <https://m.bloomberg.com>.

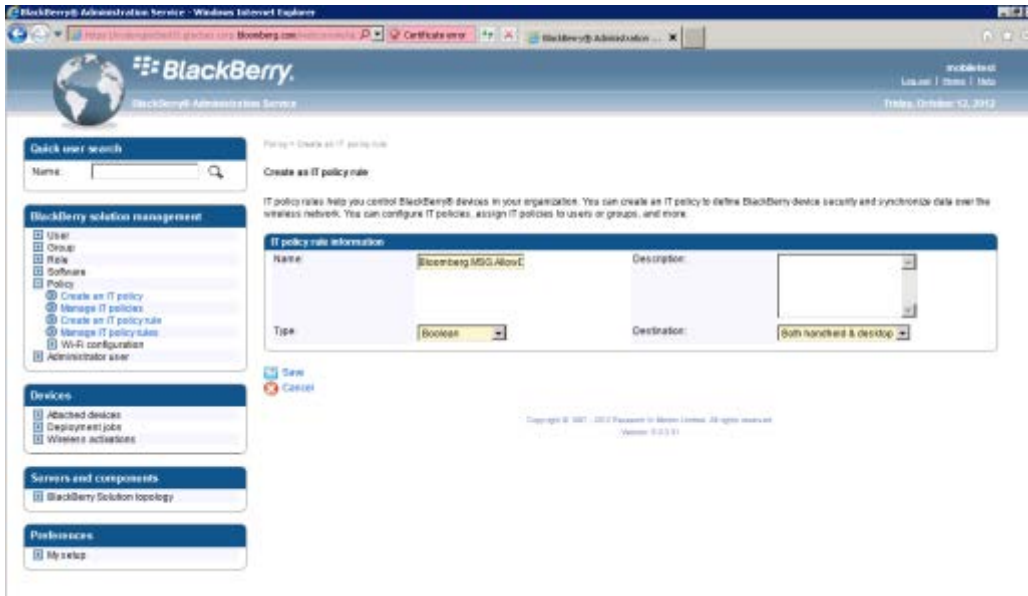


You will see a package called all-bes5.zip; it will start downloading when you click on that link. Please extract the file and save it in a place which is easily accessible from the BES server.

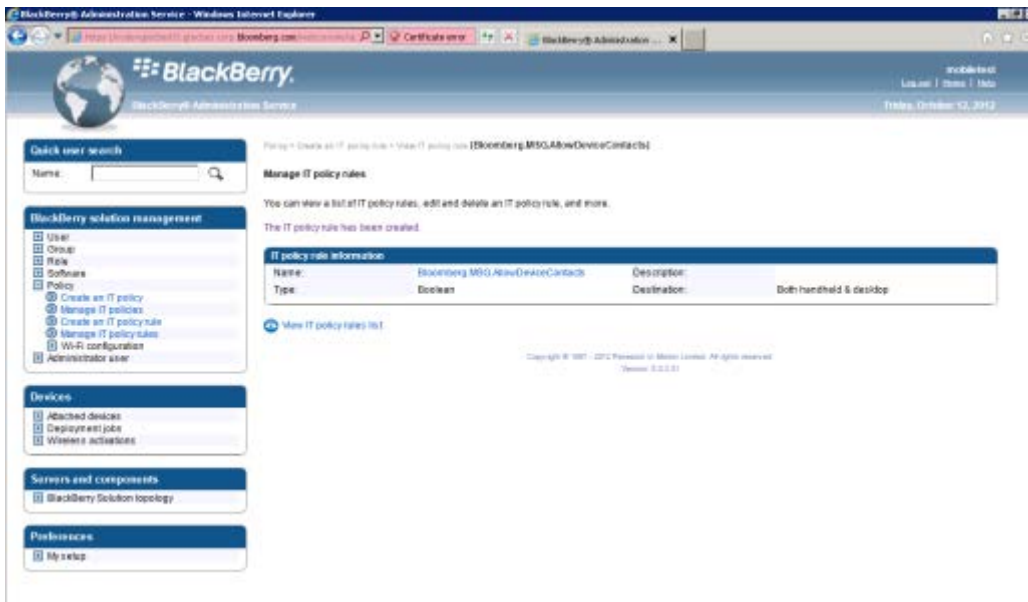


## Creating Bloomberg IT Policy rule in BlackBerry Enterprise Server 5

1. Under *Policy*, click on *Create an IT policy Rule*.
2. Type the Name, Select Type and Destination.



3. Click on Save when completed.



4. In the same way, create the IT policy rules for all the required customizations.

**BlackBerry Administration Service**

Quick user search  
Name:

**BlackBerry solution management**

- User
- Group
- Role
- Software
- Policy
  - Create an IT policy
  - Manage IT policies
  - Create an IT policy rule
  - Manage IT policy rules
  - Wi-Fi configurations
  - Administrator user

**Devices**

- Attached devices
- Deployment jobs
- Wireless activations

**Servers and components**

- BlackBerry Solution topology

**Preferences**

- My setup

**Manage IT policy rules**

You can view a list of IT policy rules, edit and delete an IT policy rule, and more.

Name	Description
Bloomberg.MDS.AllowDeviceContacts	
Bloomberg.Multimedia.AllowRoamingDownloads	
Bloomberg.Multimedia.Enabled	
Bloomberg.News.BackgroundWiFiOnly	
Bloomberg.Security.UnlockTimeout	The inactivity timeout period in minutes before Bloomberg for BlackBerry screen is locked. This can be turned off by setting the value to 0.
Bloomberg.Transport.AllowRoute.BIS	Enable/Disable use of the Direct TCP route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.Direct.TCP	Enable/Disable use of the Direct TCP route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.Direct.WAP	Enable/Disable use of the Direct WAP route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.Direct.WiFi	Enable/Disable use of the Direct WiFi route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.GW	Enable/Disable use of the Gateway route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.MDS	Enable/Disable use of the MDS route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoutesByDefault	Determines whether routes which are not explicitly enabled or disabled (see below) should be used.
Bloomberg.Transport.SessionsWhenActive	
Bloomberg.Transport.DefaultBackupGateway	
Bloomberg.Transport.DefaultGateway	The DNS name of the server running Bloomberg BlackBerry Gateway Service
Bloomberg.Transport.DefaultPushPort	
Bloomberg.Transport.HttpProxy	Address of the HTTP Proxy Server for connecting from the MDS to Bloomberg (via the Internet). Only used for the MDS route.
Bloomberg.Transport.HttpProxyPassword	Password for connecting to the above HTTP Proxy server.
Bloomberg.Transport.HttpProxyUsername	Username for connecting to the above HTTP Proxy Server
Bloomberg.Updater.AllowDelayed	
Bloomberg.Updater.Enabled	Enable/Disable Auto-Updater.
Bloomberg.Updater.OSAPI.OrVersion	The instance of this cod file installed on the device by auto-updater is determined by the OS version number. This policy can be used to set an override. **DO NOT SET THIS VALUE TO BE HIGHER THAN THE ACTUAL OS VERSION**
Bloomberg.Updater.ReplugsVersion	
Bloomberg.Updater.Version	Update to this version using Auto-Updater

[Import IT policy definitions](#)

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Version: 5.0.2.31



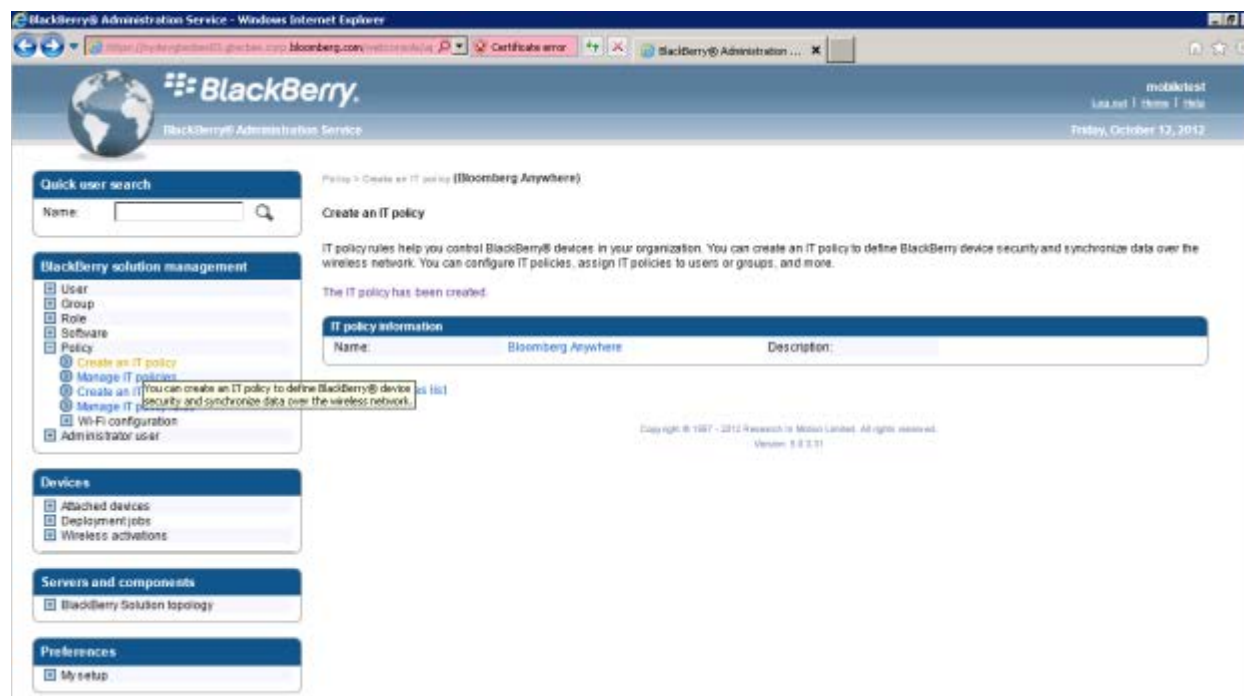


## Creating Bloomberg IT Policy in BlackBerry Enterprise Server 5

1. Under Policy, click on *Create an IT policy*.
2. Type the Name and description.



3. Click on Save.



## Configuring application control policies

When you add a Bloomberg Application to a software configuration so that you can install the application on BlackBerry devices, you must specify an application control policy that you want to apply to the Bloomberg Application. Application control policies control the data and APIs that Bloomberg Applications can access on BlackBerry devices, and the external data sources and network connections that Bloomberg Applications can access.

The BlackBerry Administration Service includes a standard application control policy for Bloomberg Applications that you classify as required, optional, or not permitted. You can change the default settings of the standard application control policies or create custom application control policies for a Bloomberg Application.

For more information about configuring settings for application control policy rules, visit [www.BlackBerry.com/go/serverdocs](http://www.BlackBerry.com/go/serverdocs) to see the BlackBerry Enterprise Server Policy Reference Guide.

The screenshot shows the BlackBerry Administration Service interface. The top navigation bar includes the BlackBerry logo, the text 'BlackBerry Administration Service', and user information for 'Dilpreet Singh' with links for 'Log out', 'Home', and 'Help'. The date 'Monday, March 19, 2012' is also displayed. On the left, there is a 'Quick user search' box and a 'BlackBerry solution management' sidebar with a tree view containing 'User', 'Group', 'Role', 'Software', and 'Applications'. The main content area is titled 'Manage default application control policies' and includes a breadcrumb trail 'Software > Applications > Manage default application control policies'. Below the title, it states: 'You can reset policy access settings such as network connections, APIs, media, Wi-Fi®, and other application control policies.' There are three tables listed:

Required application control policy name	Description
Standard Required	The default required disposition application control policy

Optional application control policy name	Description
Standard Optional	The default optional disposition application control policy

Disallowed application control policy name	Description
Standard Disallowed	The default disallowed disposition application control policy

At the bottom, the footer text reads: 'Copyright © 1997 - 2012 Research In Motion Limited. All rights reserved. Version: 5.0.2.25'.

## IT policy rules take precedence on the device

IT policy rule settings override application control policy rule settings. For example, if you change the Allow Internal Connections IT policy rule to No for BlackBerry devices, and if the devices have an application control policy set that allows a specific application to make internal connections, the application cannot make internal connections.

The device revokes an application control policy and resets if the permissions of the application it is applied to become more restrictive. On supported devices, users can make application permissions more restrictive than what the BlackBerry Enterprise Server administrator sets but users cannot make the permissions less restrictive.



## Custom IT Policy Rules Reference

The Bloomberg software on the device can be controlled by a number of custom IT Policy Rules.

IT Policy Rule	Data Type	Default Value	Description
Bloomberg.MSG.AllowDeviceContacts	Boolean	TRUE	Allow / Disallow contacts from the device's Address Book to be shown in Bloomberg Anywhere application.
Bloomberg.News.Background.WiFiOnly	Boolean	FALSE	Enable NEWS on WiFi connection
Bloomberg.Security.UiLockTimeout	integer	240	This will let you list the minutes after which the UI should be locked or basically the inactivity timeout period in minutes before Bloomberg Anywhere for BlackBerry screen is locked. This can be turned off by setting the value to 0.
Bloomberg.Transport.AllowRoute.BIS	boolean	<not set>	Enable/Disable use of the BIS route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.Direct.TCP	boolean	<not set>	Enable/Disable use of the Direct TCP route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.Direct.WAP	boolean	<not set>	Enable/Disable use of the Direct WAP route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.Direct.WiFi	boolean	<not set>	Enable/Disable use of the Direct WiFi route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.GW	boolean	<not set>	Enable/Disable use of the Gateway route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoute.MDS	boolean	<not set>	Enable/Disable use of the MDS route. AllowRoutesByDefault setting is used if this is not set.
Bloomberg.Transport.AllowRoutesByDefault	boolean	TRUE	Determines whether routes which are not explicitly enabled or disabled should be used.
Bloomberg.Transport.BeslessWhenActive	Boolean	FALSE	If set to true, the device will prefer routes which bypass the BES when the user is actively interacting with the device.



IT Policy Rule	Data Type	Default Value	Description
Bloomberg.Transport.DefaultBackupGateway	string	bloombergmds-backup:4444	The DNS name of the server running the backup Bloomberg BlackBerry Gateway Service
Bloomberg.Transport.DefaultGateway	string	bloombergmds:4444	The DNS name of the server running Bloomberg BlackBerry Gateway Service
Bloomberg.Transport.DefaultPushPort	integer	4545	The port number to be used for accepting BlackBerry MDS push messages. Used for the Bloomberg BlackBerry Gateway route only.
Bloomberg.Transport.HttpProxy	string	<none>	Address of the HTTP Proxy Server for connecting from the MDS to Bloomberg (via the Internet). Only used for the MDS route.
Bloomberg.Transport.HttpProxyPassword	string	<none>	Password for connecting to the above HTTP Proxy server.
Bloomberg.Transport.HttpProxyUsername	string	<none>	Username for connecting to the above HTTP Proxy Server
Bloomberg.Updater.AllowDelayed	Boolean	TRUE	Enable/Disable delayed upgrades for the app. If this option is false then the app will not upgrade after the user presses 'later' button from the upgrade dialog.
Bloomberg.Updater.Enabled	boolean	TRUE	Enable/Disable Auto-Updater.
Bloomberg.Updater.OSAPI.OsVersion	string	<device OS version>	This is used to select which OS-specific .cod files are installed by the updater when white-listing .cod files using BES 4.x.
Bloomberg.Updater.RepligoVersion	string	NONE	Controls the RepliGo version which will be offered to the device by the Updater.
Bloomberg.Updater.Version	string	<latest>	The version that the Auto-Updater will attempt to install.



## Important Information - B-Unit

The first time the user logs in to a device, they are required to prove their identity through biometric authentication.

This is accomplished by providing a 6-digit B-Unit token code. In order to obtain a code, users should hold down the power button on their B-Unit device until the screen displays "Token Mode", then present their finger when prompted.

Alternatively, if the user is not in possession of their B-Unit device, they may use the MOBI<Go> function on the Terminal to generate a temporary token used to pair the device (based on biometric authentication using a hardware fingerprint reader on their desk).

This process 'pairs' the device with the user, and subsequent authentication occurs via password only. Additionally, the Bloomberg Anywhere for BlackBerry application will screen lock after a period of inactivity (default 4 hours), requiring the user to re-enter their Bloomberg password. This inactivity period can be controlled through IT Policy.

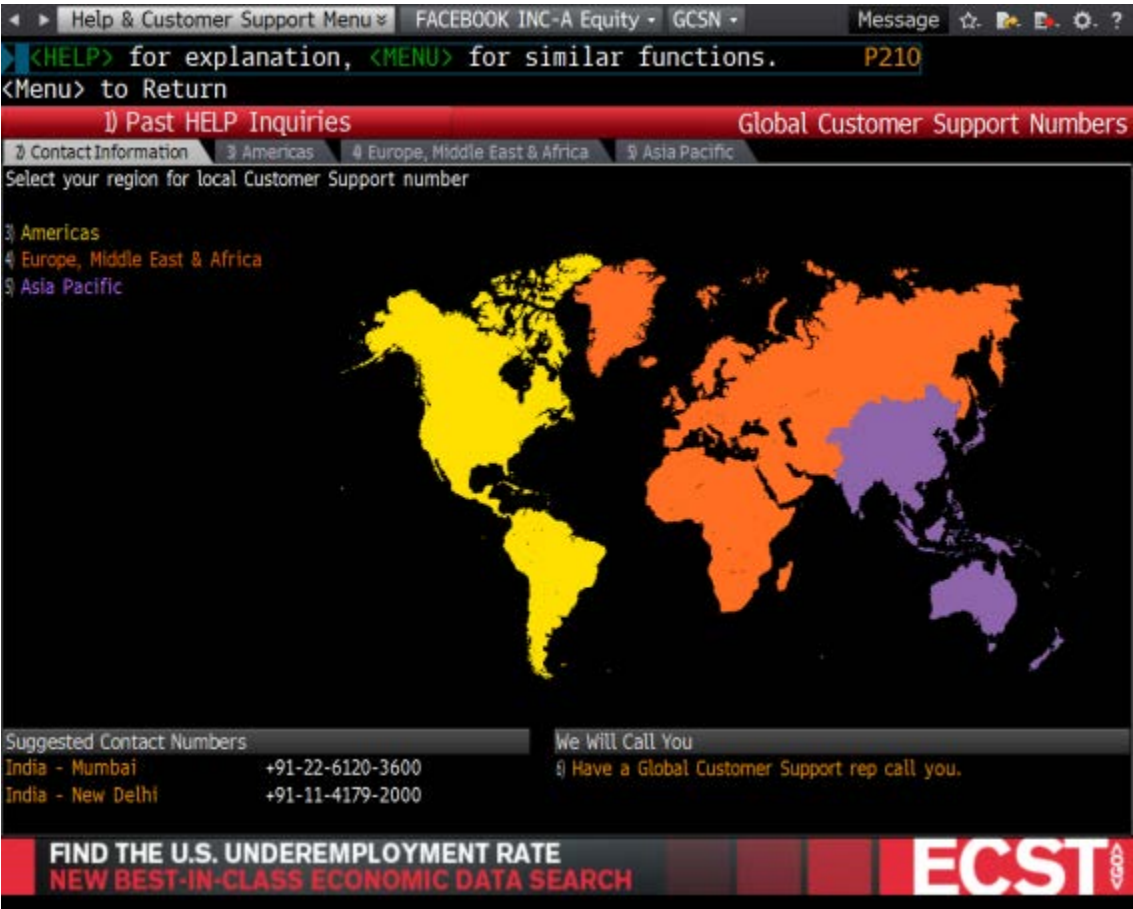
There are some circumstances which can cause users to be prompted to re-authenticate with a new B-Unit token:

Reason	
1	Logging in after B-Unit was replaced / re-enrolled.
2	Logging to a new BlackBerry.
3	Logging in after the user has changed their account password on the Terminal.
4	Logging in with an account that was previously deactivated.
5	Logging in after a protracted period of inactivity on the device.
6	Logging in after someone else logged in with a BBA account on the same device.
7	Logging in after reinstalling the application.
8	Logging in after selecting "RESET LOGIN" on the device
9	Logging in after redeploying the app from the BES using a software configuration
10	Logging in after changing firms / companies
11	Logging in after restoring a backup of a BlackBerry with Bloomberg on it.



# Contact Bloomberg - GCSN<Go>

GCSN displays a directory of global customer support (GCUS) numbers by geographical location, so you can quickly locate the phone number you need to contact the customer support desk with your questions.



Note: to submit a question to Bloomberg's 24 hour Customer Support, press <HELP> twice on the Bloomberg keyboard.

To access help pages, press <HELP> once.

To message your Bloomberg sales representative, run BREP <Go>.





## PRTL<Go>

Use PRTL to access technical and administrative support for the BLOOMBERG PROFESSIONAL® system. PRTL allows you to choose from a list of support functions that appear on the screen. You can update your login password, view documentation, submit an inquiry to a specific Bloomberg LP department, and chat with a Customer Support Specialist.

The following topics explain how to use PRTL. For a description of the function see what is PRTL? Screens

### Client Services Portal Screen

Once you enter PRTL <Go>, the Client Services Portal screen appears, where you can access technical and administrative support for the BLOOMBERG PROFESSIONAL® system. PRTL allows you to choose from a list of support functions that appear on screen. The following choices appear:

Term	Definition
TIXS	Allows you to display the My Tickets function (TIXS), where you can submit technical/administrative tickets to specific Bloomberg LP business areas.
DOCS	Allows you to display the Bloomberg Documents function (DOCS), where you can search for Bloomberg documents by category, keyword, or date. DOCS <HELP> displays further information.
UUF	Allows you to display the Password Update function (UUF), where you can update your login password. UUF <HELP> displays further information.
Chat with a Customer Support Specialist	Allows you to launch an IB chat, where you can receive live support from a Bloomberg Help Desk specialist.

Once you enter PRTL <Go>, the Client Services Portal screen appears, where you access technical and administrative support. Choose from the following options:

- To display the My Tickets function (TIXS), click on TIXS.
- To display the Bloomberg Documents function (DOCS), click on DOCS. DOCS <HELP> displays further information.
- To display the Password Update function (UUF), click on UUF. UUF <HELP> displays further information.
- To launch a live chat with the Bloomberg Help Desk, click on Chat with a Customer Support.







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